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Informal Technical Information Report

For Analytical Data For

Plant 78

Prepared By: Environmental Science and Engineering, Inc.
Denver, CO
July 1990

AQM01-03-0517

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Environmental
Science &
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A CILCORP Company

7 August 1990
Project No. 89946

Captain I. Atkins, Jr.
OEHL Technical Program Manager
USAF OEHL/TSS
Building 624
Brooks AFB, TX 78235-5501

Dear Captain Atkins:

Enclosed please find four copies of a Draft Information Technical Report (ITIR) for the surface sampling of Blue Creek of earlier this year. This ITIR was prepared using the USAFOEHL-TS Handbook version 2.0. If you have any questions concerning this report, please call.

Sincerely,

Robert H. Chesson
Project Manager

cc: L. Bilello
Project Files

2 Inverness Drive East, Suite 201 Englewood, CO 80112 Phone (303) 790-0770 Fax (303) 790-4411

Formerly known as Hunter/ESE, Inc.

Informal Technical Information Report

For Analytical Data For

Plant 78

Prepared By: Environmental Science and Engineering, Inc.
Denver, CO
July 1990

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Sample Identification Cross Reference Table

TABLE P783-W SAMPLE IDENTIFICATION CROSS REFERENCE FOR Plant 78 Water Samples

Lab Number		Field Number	Sample Description	Analytical Results	Analysis Date Report	Confirmation Sheets	Chain of Custody	QC Results
BCSW3	3	BCSW3-3	GROUND WATER	11	34	NA	36	45
BCSW3	4	BCSW3-4	GROUND WATER	11	34	NA	36	45
BCSW3	5	BCSW3-5	GROUND WATER	11	34	NA	36	45
BCSW3	6	BCSW3-6	GROUND WATER	11	34	NA	36	45
BCSW3	7	BCSW3-7	GROUND WATER	11	34	NA	36	45
BCSW3	8	BCSW3-8	GROUND WATER	11	34	NA	36	45
BCSW3	9	BCSW3-9	GROUND WATER	11	34	NA	36	45
BCSW3	10	BCSW3-10	GROUND WATER	11	34	NA	36	45
BCSW3	11	BCSW3-DUPE	DUPLICATE	11	34	NA	36	45
BCSW3	12	TRPBLK	TRIP BLANK	11	34	NA	36	45

TABLE P783-S SAMPLE IDENTIFICATION CROSS REFERENCE FOR Plant 78 Soil Samples

Lab Number	Field Number	Sample Description	Initial Reference Page: Analytical Results	Extraction/ Analysis Date Report	Second Column Confirmation Sheets	Chain of Custody	QC Results
BCSS3 3	BCSW3-3	SOIL	22	35	NA	38	58
BCSS3 4	BCSW3-4	SOIL	22	35	NA	38	58
BCSS3 5	BCSW3-5	SOIL	22	35	NA	38	58
BCSS3 6	BCSW3-6	SOIL	22	35	NA	38	58
BCSS3 7	BCSW3-7	SOIL	22	35	NA	38	58
BCSS3 8	BCSW3-8	SOIL	22	35	NA	38	58
BCSS3 9	BCSW3-9	SOIL	22	35	NA	38	58
BCSS3 10	BCSW3-10	SOIL	22	35	NA	38	58
BCSS3 11	BCSW3-DUPE	DUPLICATE	22	35	NA	38	58
BCSS3 13	TRIPBLANK	TRIPBLANK	22	35	NA	38	58

Analytical Methods and Method Detection Limits

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
COMMON ANIONS			
HYDROCARBONS,PETROL.	E418.1	5.12	25.6
FURNACE AND COLD VAPOR (C.V.)			
MERCURY,TOTAL	E245.1	0.12	.6
ICAP METAL SCREEN			
ALUMINUM,TOTAL	E200.7	0.018	.09
ANTIMONY,TOTAL	E200.7	0.019	.095
ARSENIC,TOTAL	E200.7	0.028	.14
BARIUM,TOTAL	E200.7	0.001	.005
BERYLLIUM, TOTAL	E200.7	0.001	.005
CADMIUM,TOTAL	E200.7	0.002	.01
CALCIUM,TOTAL	E200.7	0.01	.05
CHROMIUM,TOTAL	E200.7	0.004	.02
COBALT,TOTAL	E200.7	0.007	.035
COPPER,TOTAL	E200.7	0.003	.015
IRON,TOTAL	E200.7	0.004	.02
LEAD,TOTAL	E200.7	0.026	.13
MAGNESIUM,TOTAL	E200.7	0.03	.15
MANGANESE,TOTAL	E200.7	0.001	.005
MOLYBDENUM,TOTAL	E200.7	0.004	.02
NICKEL,TOTAL	E200.7	0.008	.04
POTASSIUM,TOTAL	E200.7	0.46	2.3
SELENIUM,TOTAL	E200.7	0.042	.21
SILVER,TOTAL	E200.7	0.003	.015
SODIUM,TOTAL	E200.7	0.057	.285
THALLIUM,TOTAL	E200.7	0.15	.75
VANADIUM,TOTAL	E200.7	0.004	.02
ZINC,TOTAL	E200.7	0.002	.01
PURGEABLE HALOCARBONS			
1-CHLOROHEXANE	SW8010	0.005	0.025
1,1-DICHLOROETHANE	SW8010	0.0004	0.002
1,1,1-TRICHL'ETHANE	SW8010	0.0002	0.001
1,1,1,2-TETRACH'ETHANE	SW8010	0.005	0.025
1,1,2-TRICHL'ETHANE	SW8010	0.0001	0.0005
1,1,2,2-TETRACHLOROETHANE	SW8010	0.0002	0.001
1,2-DICHLOROETHANE	SW8010	0.0007	0.0035
1,2-DICHLOROPROPANE	SW8010	0.0002	0.001
2-CHLOROETHYLVINYLETHER	SW8010	0.0007	0.0035
BROMOBENZENE	SW8010	0.005	0.025
BROMODICHLOROMETHANE	SW8010	0.0005	0.0025
BROMOFORM	SW8010	0.001	0.005
BROMOMETHANE	SW8010	0.006	0.03
CARBON TETRACHLORIDE	SW8010	0.0006	0.003
CHLOROBENZENE	SW8010	0.0012	0.006

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
PURGEABLE HALOCARBONS (Continued)			
CHLOROETHANE	SW8010	0.003	0.015
CHLOROFORM	SW8010	0.0002	0.001
CHLOROMETHANE	SW8010	0.0004	0.002
CIS-1,3-DICHLOROPROPENE	SW8010	0.002	0.01
DIBROMOCHLOROMETHANE	SW8010	0.0005	0.0025
DIBROMOMETHANE	SW8010	0.005	0.025
DICHLORODIFLUOROMETHANE	SW8010	0.009	0.045
METHYLENE CHLORIDE	SW8010	0.002	0.01
TETRACHLOROETHENE	SW8010	0.0002	0.001
TRANS-1,3-DICHLOROPROPENE	SW8010	0.002	0.01
TRANS-1,2-DICHLOROETHENE	SW8010	0.0005	0.0025
TRICHL'FLUOROMETHANE	SW8010	0.005	0.025
TRICHLOROETHENE	SW8010	0.0006	0.003
VINYL CHLORIDE	SW8010	0.0002	0.001
PURGEABLE AROMATICS			
BENZENE	SW8020	0.0007	0.0035
CHLOROBENZENE	SW8020	0.001	0.005
DICHLOROBENZENE	SW8020	0.0012	0.006
ETHYLBENZENE	SW8020	0.001	0.005
TOLUENE	SW8020	0.001	0.005
XYLENES,TOTAL	SW8020	0.002	0.01
SEMIVOLATILE ORGANIC COMPOUND			
1-NAPHTHYLAMINE	SW8270	0.00481	0.02405
1-CHLORONAPHTHALENE	SW8270	0.00551	0.02755
1,2-DIPHEN'HYDRAZINE	SW8270	0.00771	0.03855
1,2-DICHLOROBENZENE	SW8270	0.0002	0.001
1,2,4-TRICH'BENZENE	SW8270	0.00026	0.0013
1,2,4,5-TETRACHLOROBENZENE	SW8270	0.00856	0.0428
1,3,DICHLOROBENZENE	SW8270	0.00108	0.0054
1,4-DICHLOROBENZENE	SW8270	0.00012	0.0006
2-CHLOROPHENOL	SW8270	0.00014	0.0007
2-METHYL PHENOL	SW8270	0.00042	0.0021
2-METHLYNAPHTHALENE	SW8270	0.00043	0.00215
2-NITROPHENOL	SW8270	0.00090	0.0045
2-NITROANILINE	SW8270	0.00114	0.0057
2-PICOLINE	SW8270	0.0162	0.081
2-CHLORONAPHTHALENE	SW8270	0.00023	0.00115
2-NAPHTHYLAMINE	SW8270	0.00376	0.0188
2,3,4,6 TETRACL'PHENOL	SW8270	0.00896	0.0448
2,4-DICHLOROPHENOL	SW8270	0.00018	0.0009
2,4-DINITROTOLUENE	SW8270	0.00122	0.0061
2,4-DINITROPHENOL	SW8270	0.00171	0.00855
2,4-DIMETHYLPHENOL	SW8270	0.00014	0.0007
2,4,5-TRICHL'PHENOL	SW8270	0.00046	0.0023
2,4,6-TRICHL'PHENOL	SW8270	0.00017	0.00085
2,6-DINITROTOLUENE	SW8270	0.00093	0.00465
2,6-DICHLOROPHENOL	SW8270	0.00915	0.04575
3-NITROANILINE	SW8270	0.00153	0.00765

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
SEMIVOLATILE ORGANIC COMPOUND (Continued)			
3-METHYLCHOLANTHRENE	SW8270	0.00550	0.0275
3,3'-DICHL'BENZIDINE	SW8270	0.00194	0.0097
4-BROMOPHENYLPHENYLETHER	SW8270	0.00029	0.00145
4-METHYL PHENOL	SW8270	0.00040	0.002
4-NITROANILINE	SW8270	0.00192	0.0096
4-CHLOROPHENYLPHENYLETHER	SW8270	0.0004	0.002
4-CHLORO-3-METHYLPHENOL	SW8270	0.00048	0.0024
4-CHLOROANILINE	SW8270	0.00034	0.0017
4-AMINOBIPHENOL	SW8270	0.0325	0.1625
4-NITROPHENOL	SW8270	0.00188	0.0094
4,6-DINITRO-2-METHYLPHENOL	SW8270	0.00151	0.00755
7,12-DIMETHYLBENZ(A)ANTHRANCEN	SW8270	0.00544	0.0272
A-,A-DIMETHYLPHENETHYLAMINE	SW8270	0.00712	0.0356
ACENAPHTHENE	SW8270	0.00018	0.0009
ACENAPHTHYLENE	SW8270	0.00016	0.0008
ACETOPHENONE	SW8270	0.00345	0.01725
ANILINE	SW8270	0.00522	0.0261
ANTHRACENE	SW8270	0.00031	0.00155
BENZIDINE	SW8270	0.0694	0.347
BENZO(A)ANTHRACENE	SW8270	0.00015	0.00075
BENZO(A)PYRENE	SW8270	0.00014	0.0007
BENZO(B)FLUORANTHENE	SW8270	0.0004	0.002
BENZO(GHI)PERYLENE	SW8270	0.0006	0.003
BENZO(K)FLUORANTHENE	SW8270	0.00083	0.00415
BENZOIC ACID	SW8270	0.00159	0.00795
BENZYL ALCOHOL	SW8270	0.00035	0.00175
BIS(2-ETHYLHEXYL)PHTHALATE	SW8270	0.00157	0.00785
BIS(2-CHL'ISOPROPYL)ETHER	SW8270	0.00053	0.00265
BIS(2-CHLOROETHYL)ETHER	SW8270	0.00014	0.0007
BIS(2-CHLOROETHOXY)METHANE	SW8270	0.00024	0.0012
BUTYLBENZYLPHTHALATE	SW8270	0.00106	0.0053
CHRYSENE	SW8270	0.00155	0.00775
DI-N-BUTYLPHTHALATE	SW8270	0.00086	0.0043
DI-N-OCTYLPHTHALATE	SW8270	0.00247	0.01235
DIBEN'(A,H)ANTH'CENE	SW8270	0.00082	0.0041
DIBENZ(A,J)ACRIDINE	SW8270	0.0327	0.1635
DIBENZOFURAN	SW8270	0.00017	0.00085
DIETHYLPHTHALATE	SW8270	0.00085	0.00425
DIMETHYLPTHALATE	SW8270	0.00042	0.0021
DIPHENYLAMINE	SW8270	0.00415	0.02075
ETHYL METHANESULFONATE	SW8270	0.00778	0.0389
FLUORANTHENE	SW8270	0.00069	0.00345
FLUORENE	SW8270	0.00044	0.0022
HEXACHLOROBENZENE	SW8270	0.00034	0.0017
HEXACHLOROBUTADIENE	SW8270	0.00027	0.00135
HEXACHLOROCYCLOPENTADIENE	SW8270	0.00083	0.00415
HEXACHLOROETHANE	SW8270	0.00014	0.0007
INDENO(1,2,3-CD)PYRENE	SW8270	0.00081	0.00405
ISOPHORONE	SW8270	0.00018	0.0009
METHYL METHANESULFONATE	SW8270	0.00677	0.03385
N-NITROSODIPHE'AMINE	SW8270	0.00027	0.00135
N-NITROSO-DI-N-BUTYLAMINE	SW8270	0.00863	0.04315
N-NITROSODI-N-PROPYLAMINE	SW8270	0.00069	0.00345
N-NITROSOPIPERIDINE	SW8270	0.0155	0.0775

TABLE D-2A. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Aqueous Samples

Parameter	Method	Detection Limit (mg/L)	Practical Quantitation Limits (mg/L)
SEMIVOLATILE ORGANIC COMPOUND (Continued)			
N-NITROSODIMET'AMINE	SW8270	0.00715	0.03575
NAPHTHALENE	SW8270	0.00013	0.00065
NITROBENZENE	SW8270	0.00055	0.00275
P-DIMETHYLAMINOAZOBENZENE	SW8270	0.00359	0.01795
PENTACHLOROBENZENE	SW8270	0.00538	0.0269
PENTACHLORONITROBENZENE	SW8270	0.0198	0.099
PENTACHLOROPHENOL	SW8270	0.00091	0.00455
PHENACETIN	SW8270	0.0222	0.111
PHENANTHRENE	SW8270	0.00023	0.00115
PHENOL	SW8270	0.00051	0.00255
PRONAMIDE	SW8270	0.0105	0.0525
PYRENE	SW8270	0.00083	0.00415

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
COMMON ANIONS IN SOIL			
HYDROCARBONS,PETROL	E418.1	1.65	8.25
COLD VAPOR (C.V.)			
MERCURY	SW7471	0.06	.3
ICAP METAL SCREEN			
ALUMINUM,SED	SW6010	1.8	9
ANTIMONY,SED	SW6010	1.9	9.5
ARSENIC,SED	SW6010	2.8	14
BARIUM,SED	SW6010	0.1	.5
BERYLLIUM,SED	SW6010	0.1	.5
CADMIUM,SED	SW6010	0.2	1
CHROMIUM,SED	SW6010	0.4	2
COBALT,SED	SW6010	0.7	3.5
COPPER,SED	SW6010	0.3	1.5
IRON,SED	SW6010	0.4	2
LEAD,SED	SW6010	2.6	13
MAGNESIUM,SED	SW6010	3.0	15
MANGANESE,SED	SW6010	0.1	.5
MOLYBDENUM,SED	SW6010	0.4	2
NICKEL,SED	SW6010	0.8	4
POTASSIUM,SED	SW6010	45.5	227.5
SELENIUM,SED	SW6010	4.2	21
SILVER,SED	SW6010	0.3	1.5
SODIUM,SED	SW6010	5.7	28.5
THALLIUM,SED	SW6010	14.8	74
VANADIUM,SED	SW6010	0.4	2
ZINC,SED	SW6010	0.2	1
SEMIVOLATILES			
1-NAPHTHYLAMINE	SW8270	0.32	1.6
1,2-DIPHENYLHYDRAZIN,S	SW8270	0.51	2.55
1,2-DICHLOROBENZENE	SW8270	0.01	.05
1,2,4-TRICHLRBENZENE	SW8270	0.02	.1
1,2,4,5-TETRACHLOROBENZENE	SW8270	0.57	2.85
1,3-DICHLOROBENZENE	SW8270	0.05	.25
1,4-DICHLOROBENZENE	SW8270	0.08	.4
2-CHLORONAPHTHALENE	SW8270	7.74	38.7
2-PICOLINE	SW8270	1.08	5.4
2-METHYLNAPHTHALENE	SW8270	0.03	.15
2-CHLOROPHENOL	SW8270	4.53	22.65
2-METHYLPHENOL	SW8270	0.03	.15
2-NITROPHENOL	SW8270	0.06	.3
2-NAPHTHYLAMINE	SW8270	0.25	1.25
2-NITROANILINE	SW8270	0.08	.4
2,3,4,6-TETRACHLOROPHENOL	SW8270	0.6	3
2,4-DINITROTOLUENE	SW8270	0.08	.4

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
SEMIVOLATILES (Continued)			
2,4-DIMETHYPHENOL	SW8270	0.01	.05
2,4-DINITROPHENOL	SW8270	0.11	.55
2,4-DICHLOROPHENOL	SW8270	5.86	29.3
2,4,5-TRICH'PHENOL	SW8270	0.03	.15
2,4,6-TRICHLRPHENOL	SW8270	0.01	.05
2,6-DICHLOROPHENOL	SW8270	0.61	3.05
2,6-DINITROTOLUENE	SW8270	0.06	.3
3-METHYLCHOLANTHRENE	SW8270	0.37	1.85
3-NITROANILINE	SW8270	0.10	.5
3,3-DICHLOROBENZIDINE	SW8270	0.13	.65
4-BROMOPHENYL PHENYL ETHER	SW8270	0.02	.1
4-CHLOROPHENYLPHENYL ETHER	SW8270	0.03	.15
4-CHLOROANILINE,SED	SW8270	0.02	.1
4-CHLORO-3-METHYLPHENOL	SW8270	0.03	.15
4-NITROPHENOL	SW8270	0.13	.65
4-METHYLPHENOL	SW8270	0.03	.15
4-NITROANILINE	SW8270	0.13	.65
4-AMINOBIPHENYL	SW8270	2.16	10.8
4,6-DINITRO-2-METHYLPHENOL	SW8270	0.10	.5
7,12-DIMETHYLBENZ(A)ANTHRANCE	SW8270	0.36	1.8
A-,A-DIMETHYLPHENETHYLAMINE	SW8270	0.47	2.35
ACENAPHTHENE,SOIL	SW8270	0.01	.05
ACENAPHTHYLENE,SOIL	SW8270	0.01	.05
ACETOPHENONE	SW8270	0.23	1.15
ANILINE	SW8270	0.42	2.1
ANTHRACENE,SOIL	SW8270	0.02	.1
BENZIDINE	SW8270	5.52	27.6
BENZO(A)ANTHRACENE	SW8270	0.01	.05
BENZO(A)PYRENE	SW8270	0.01	.05
BENZO(B)FLUORANTHENE,S	SW8270	0.03	.15
BENZO(G,H,I,)PERYLENE	SW8270	0.04	.2
BENZO(K)FLUORANTHENE	SW8270	0.06	.3
BENZOIC ACID	SW8270	0.11	.55
BENZYL ALCOHOL	SW8270	0.02	.1
BIS(2-CHLOROETHOXY)METHANE	SW8270	7.93	39.65
BIS(2-CHL'ISOPROPYL) ETHER	SW8270	0.04	.2
BIS(2-CHLOROETHYL)ETHER	SW8270	0.01	.05
BIS(2-ETHYLHEXYL)PHTHALATE	SW8270	0.10	.5
BUTYL BENZYL PHTHALATE	SW8270	0.07	.35
CHRYSENE	SW8270	0.10	.5
DI-N-OCTYLPHTHALATE	SW8270	0.16	.8
DI-N-BUTYLPHTHALATE	SW8270	0.06	.3
DIBENZ(A,J)ACRIDINE	SW8270	2.60	13
DIBENZO(A,H)ANTHRACENE	SW8270	0.05	.25
DIBENZOFURAN	SW8270	0.01	.05
DIETHYLPHTHALATE	SW8270	0.06	.3
DIMETHYLPHTHALATE	SW8270	0.03	.15
DIPHENYLAMINE	SW8270	0.28	1.4
ETHYL METHANESULFONATE	SW8270	0.52	2.6
FLUORANTHENE	SW8270	0.05	.25
FLUORENE	SW8270	0.03	.15
HEXACHLOROBENZENE	SW8270	0.03	.15
HEXACHLOROBUTADIENE	SW8270	0.02	.1

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
SEMIVOLATILES (Continued)			
HEXACHLOROCYCLOPENTADIENE	SW8270	0.06	.3
HEXACHLOROETHANE	SW8270	0.01	.05
INDENO(1,2,3-CD)PYRENE	SW8270	0.05	.25
ISOPHORONE	SW8270	0.01	.05
METHYL METHANESULFONATE	SW8270	0.45	2.25
N-NITROSODI-N-PROPYLAMINE	SW8270	0.05	.25
N-NITROSODIPHE'AMINE	SW8270	0.02	.1
N-NITROSODIMETHYLAMINE	SW8270	0.48	2.4
N-NITROSOPIPERIDINE	SW8270	1.04	5.2
N-NITRSO-DI-N-BUTYLAMINE	SW8270	0.58	2.9
NAPHTHALENE	SW8270	0.01	.05
NITROBENZENE	SW8270	0.04	.2
P-DIMETHYLAMINOBENZENE	SW8270	0.24	1.2
PENTACHLOROBENZENE	SW8270	0.36	1.8
PENTACHLORONITROBENZENE	SW8270	1.32	6.6
PENTACHLOROPHENOL	SW8270	0.06	.3
PHENACETIN	SW8270	1.48	7.4
PHENANTHRENE	SW8270	0.02	.1
PHENOL	SW8270	0.03	.15
PRONAMIDE	SW8270	0.7	3.5
PYRENE	SW8270	0.06	.3
PURGEABLE HALOCARBONS			
1,1,1,2-TETRACHLOROETHANE	SW8010	1.0489	5.2445
1,1,1-TRICHLOROETHANE	SW8010	0.042	0.21
1,1,2,2-TETRACHLOROETHANE	SW8010	0.042	0.21
1,1,2- TRICHLOROETHANE	SW8010	0.021	0.105
1,1 DICHLOROETHANE	SW8010	0.0839	0.4195
1,1-DICHLOROETHENE	SW8010	0.1468	0.734
1,2,-DICHLOROPROPANE	SW8010	0.042	0.21
1,2-DICHLOROETHANE	SW8010	0.042	0.21
1-CHLOROHEXANE	SW8010	1.0489	5.2445
2-CHLOROETHYLVINYL ETHER	SW8010	0.1468	0.734
BROMOBENZENE	SW8010	1.0489	5.2445
BROMODICHLOROMETHANE	SW8010	0.1049	0.5245
BROMOFORM	SW8010	0.2098	1.049
CARBON TETRACHLORIDE	SW8010	0.1259	0.6295
CHLOROBENZENE	SW8010	0.2517	1.2585
CHLOROETHANE	SW8010	0.6293	3.1465
CHLOROFORM	SW8010	0.042	0.21
CIS-1,3-DICHLOROPROPENE	SW8010	0.4195	2.0975
DIBROMOCHLOROMETHANE	SW8010	0.1049	0.5245
DIBROMOETHANE	SW8010	1.0489	5.2445
DICHLOROBENZENE,TOT.	SW8010	0.944	4.72
DICHLOROBENZENE,TOT.	SW8010	0.4195	2.0975
DICHLORODIFLUOROMETHANE	SW8010	1.888	9.44
METHYL BROMIDE	SW8010	1.2586	6.293
METHYLCHLORIDE	SW8010	0.0005	0.0025
METHYLENE CHLORIDE	SW8010	0.4195	2.0975
TETRACHLOROETHYLENE	SW8010	0.042	0.21
TRANS-1,2-DICHLOROETHENE	SW8010	0.1049	0.5245

TABLE D-2B. Analytical Methodologies, Detection Limits, and Practical Quantitation Limits for Plant 78 - Soil Samples

Parameter	Method	Detection Limit (mg/kg)	Practical Quantitation Limits (mg/kg)
PURGEABLE HALOCARBONS (Continued)			
TRICHLOROETHYLENE	SW8010	0.1259	0.6295
TRICHLOROFLUOROMETHANE	SW8010	1.0489	5.2445
TRICHLOROPROPANE	SW8010	1.0489	5.2445
T-1,3-DICHLOROPROPENE	SW8010	0.4195	2.0975
VINYL CHLORIDE	SW8010	0.0881	0.4405
PURGEABLE AROMATICS			
BENZENE	SW8020	0.1468	0.734
BROMOBENZENE	SW8020	1.0489	5.2445
CHLOROBENZENE	SW8020	0.2098	1.049
ETHYLBENZENE	SW8020	0.2098	1.049
TOLUENE	SW8020	0.2098	1.049
XYLENES,TOTAL	SW8020	0.4195	2.0975
EPTOX			
2,4,5-TP/SILVEX	SW1310	0.021	0.105
2,4-D	SW1310	0.0819	0.4095
BHC,G(LINDANE)	SW1310	*0.0105	*0.0525
CHLORDANE	SW1310	*0.021	*0.105
ENDRIN	SW1310	*0.021	*0.105
HEPTACHLOR	SW1310	*0.021	*0.105
MERCURY,TOTAL	SW1310	**0.0005	**0.0025
METHOXYCHLOR	SW1310	*0.21	*1.05
TOXAPHENE	SW1310	*2.1005	*10.5025

*These units are in terms of ug/l.
**These units are in term of mg/l.

Analytical Data

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34030	34010	34301	34371	99634	81551	81524	34418	34413	39175	34311	34668	34423	34488
METHOD CODE:				PI	PI	PI	PI	PI	PI	PI	HA	HA	HA	HA	HA	HA	HA
PARAMETER:				BZ	BZME	CLBZ	EBZ	BRBZ	XYL	DCBZ	CHLORMTH	BROMMTH	MVC	CLEA	FCL2	MTHLENCL	FC11
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	4	BCSW3-4	03/09/90 08:25	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	5	BCSW3-5	03/09/90 07:15	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	6	BCSW3-6	03/08/90 17:10	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	7	BCSW3-7	03/08/90 11:30	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	8	BCSW3-8	03/08/90 13:30	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	9	BCSW3-9	03/08/90 14:50	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	10	BCSW3-10	03/08/90 16:15	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	<2.00	<5.00
BCSW3	14	TRPBLK	03/02/90 17:00	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400	<6.00	<0.300	<3.00	<9.00	4.09	<5.00

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34501	34496	34546	32106	34531	81522	34506	32102	32101	34541	34699	34511	39180	32105
METHOD CODE:				HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA
PARAMETER:				DCE11	DCA11	DCE12T	TCLME	DCA12	DEMA	TCA111	CTCL	BDCME	DCP12	DCP13T	TCA112	TCE	DBCME
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	4	BCSW3-4	03/09/90 08:25	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	5	BCSW3-5	03/09/90 07:15	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	6	BCSW3-6	03/08/90 17:10	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	7	BCSW3-7	03/08/90 11:30	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	8	BCSW3-8	03/08/90 13:30	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	9	BCSW3-9	03/08/90 14:50	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	10	BCSW3-10	03/08/90 16:15	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500
BCSW3	14	TRPBLK	03/02/90 17:00	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34704	34576	32104	77562	97758	34475	34516	34301	97761	99634	81524	99388	34205	34200
METHOD CODE:				HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	DIR	ADMS	ADMS
PARAMETER:				DCP13C	CEVETH	TBME	PCA	TCP	PCE	PCA	CLBZ	CLHX1	BRBZ	DCBZ	HYDROCARB	ACNP	ACNPY
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	4	BCSW3-4	03/09/90 08:25	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	5	BCSW3-5	03/09/90 07:15	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	6	BCSW3-6	03/08/90 17:10	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	7	BCSW3-7	03/08/90 11:30	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	8	BCSW3-8	03/08/90 13:30	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	9	BCSW3-9	03/08/90 14:50	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	10	BCSW3-10	03/08/90 16:15	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	<512	<1.9	<1.4
BCSW3	14	TRPBLK	03/02/90 17:00	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20	<5.0	<5	<2.00	NRQ	NRQ	NRQ

PROJECT NUMBER
FIELD GROUP BCSW3

PROJECT NAME PLANT 78 3-5-90
PROJECT MANAGER BOB CHESSON

STORET CODE:				81553	77089	34220	97693	39120	34526	34230	34242	34247	34521	77147	77247	34292	34273
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				ACPHN	ANILINE	ANTH	AMINOBPH4	BZD	BZAA	BZBF	BZKF	BZAP	BZGHIP	BZLAL	BENZOA	BZBP	BIS2CEE
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	4	BCSW3-4	03/09/90 08:25	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	5	BCSW3-5	03/09/90 07:15	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	6	BCSW3-6	03/08/90 17:10	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	7	BCSW3-7	03/08/90 11:30	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	8	BCSW3-8	03/08/90 13:30	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	9	BCSW3-9	03/08/90 14:50	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	10	BCSW3-10	03/08/90 16:15	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<3.0	<2	<1.1	<5.0	<13	<0.88	<1.9	<2.4	<2.6	<1.1	<1.28	<6.23	<2.1	<1.0
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34278	39100	34283	34636	99075	97694	34581	34586	34452	34641	34320	97695	34556	81302
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				BIS2CEM	BIS2EHP	BIS2CIE	BPPE4	CLANIL4	CLNPH1	CLNPH2	CLPH2	C3NP4	CPPE4	CHRYSENE	DBAJA	DBAHA	DBF
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<1.2	2.4	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	4	BCSW3-4	03/09/90 08:25	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	5	BCSW3-5	03/09/90 07:15	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	6	BCSW3-6	03/08/90 17:10	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	7	BCSW3-7	03/08/90 11:30	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	8	BCSW3-8	03/08/90 13:30	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	9	BCSW3-9	03/08/90 14:50	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	10	BCSW3-10	03/08/90 16:15	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<1.2	<2.0	<1.7	<0.99	<1.68	<1.37	<1.3	<1.1	<1.6	<1.2	<1.4	<5.00	<0.90	<1.03
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				39110	34566	34536	34571	34631	34601	77541	34336	97696	97697	97698	34606	97711	34341
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				D-N-BUPH	DCBZ13	DCBZ12	DCBZ14	DCBZD33	DCP24	DCP26	DEPH	PDMAABZ	DMBAAN712	MPEA11	DMP24	DN46M	DMPH
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	4	BCSW3-4	03/09/90 08:25	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	5	BCSW3-5	03/09/90 07:15	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	6	BCSW3-6	03/08/90 17:10	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	7	BCSW3-7	03/08/90 11:30	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	8	BCSW3-8	03/08/90 13:30	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	9	BCSW3-9	03/08/90 14:50	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	10	BCSW3-10	03/08/90 16:15	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<1.5	<3.2	<3.9	<3.5	<1.6	<1.4	<1.28	<2.5	<5.00	<2.78	<1.52	<5.0	<2.40	<2.6
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34616	34611	34626	77579	34346	34596	97699	34376	34381	39700	34391	34386	34396	34403
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				DNP24	DNT24	26DNT	DPA	DIP12	DNOP	EMSULFN	FLA	FLUORENE	HCLBZ	HCBU	HCCP	HCLEA	INP123
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	4	BCSW3-4	03/09/90 08:25	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	5	BCSW3-5	03/09/90 07:15	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	6	BCSW3-6	03/08/90 17:10	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	7	BCSW3-7	03/08/90 11:30	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	8	BCSW3-8	03/08/90 13:30	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	9	BCSW3-9	03/08/90 14:50	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	10	BCSW3-10	03/08/90 16:15	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<3.0	<1.1	<1.7	<3.84	<5.0	<1.0	<2.5	<1.6	<1.5	<1.4	<3.5	<2.1	<4.5	<1.4
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34408	99073	99074	97700	97701	77416	34696	97702	97703	99077	99078	99079	34447	97704
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				ISOP	MEPH2	4MEPH	MECHLAN3	MMSULFN	MTNPH2	NAPHAMI	NONAPHIAMI	NONAPH2	NO2ANIL2	NO2ANIL3	NO2ANIL4	NO3BZ	NNSPPRD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	4	BCSW3-4	03/09/90 08:25	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	5	BCSW3-5	03/09/90 07:15	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	6	BCSW3-6	03/08/90 17:10	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	7	BCSW3-7	03/08/90 11:30	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	8	BCSW3-8	03/08/90 13:30	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	9	BCSW3-9	03/08/90 14:50	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	10	BCSW3-10	03/08/90 16:15	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<0.91	<1.28	<3.89	<1.5	<1.9	<3.2	<3.0	<5.0	<3.7	<1.07	<1.78	<2.72	<0.94	<2.1
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSW3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34591	34646	97715	34438	34428	34433	39032	97705	97706	97707	34461	34694	97708	97709
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				NTPH2	4NTPH	NTSBN	NNSM	NTSPRN	NNSPH	PCP	PECLBZ	PECLNO2BZ	PHNACTN	PHAN	TPHEN	PIC2	PRONAMD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSW3	3	BCSW3-3	03/09/90 08:45	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	4	BCSW3-4	03/09/90 08:25	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	5	BCSW3-5	03/09/90 07:15	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	6	BCSW3-6	03/08/90 17:10	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	7	BCSW3-7	03/08/90 11:30	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	8	BCSW3-8	03/08/90 13:30	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	9	BCSW3-9	03/08/90 14:50	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	10	BCSW3-10	03/08/90 16:15	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<0.72	<2.6	<1.2	<2.9	<1.2	<1.1	<2.2	<1.5	<0.67	<1.5	<0.96	<2.3	<2.2	<5.0
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER
FIELD GROUP BCSW3

PROJECT NAME PLANT 78 3-5-90
PROJECT MANAGER BOB CHESSON

STORET CODE:				34469	97710	34551	97209	77687	34621
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				PYR	TCB1	TCB124	2346CP	TCP245	TCP246
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
BCSW3	3	BCSW3-3	03/09/90 08:45	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	4	BCSW3-4	03/09/90 08:25	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	5	BCSW3-5	03/09/90 07:15	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	6	BCSW3-6	03/08/90 17:10	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	7	BCSW3-7	03/08/90 11:30	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	8	BCSW3-8	03/08/90 13:30	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	9	BCSW3-9	03/08/90 14:50	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	10	BCSW3-10	03/08/90 16:15	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	11	BCSW3-DUPE	03/09/90 07:15	<1.0	<1.4	<3.0	<1.1	<1	<1.5
BCSW3	14	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:					34237	34483	34304	34374	97036	45510	98578	34421	34416	34334	34495	34314	34426	34491
METHOD CODE:					ADPI	ADPI	ADPI	ADPI	ADPI	ADPI	ADPI	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA
PARAMETER:					BZ	TOLUENE	CBZ	EBZ	BRBZXYLENES,TO		DCB,T	MECLRIDE	METHYL BRODCDFL	METHA	VC	CLETHA	METHYLENE	TCFMETHA
UNITS:					MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
BCSS3	3	BCSW3-3	03/09/90	08:45	<187	<267	<267	<267	<1340	<535	<1200	<107	<1300	<2410	<88.3	<802	<535	<1340
BCSS3	4	BCSW3-4	03/09/90	08:25	<167	<238	<238	<238	<1190	<476	<1070	<95.3	<1200	<2140	<78.6	<714	<476	<1190
BCSS3	5	BCSW3-5	03/09/90	07:15	<183	<261	<261	<261	<1310	<522	<1180	<104	<1300	<2350	<86.2	<783	<522	<1310
BCSS3	6	BCSW3-6	03/08/90	17:10	<174	<249	<249	<249	<1240	<497	<1120	<99.4	<1200	<2240	<82.0	<746	<497	<1240
BCSS3	7	BCSW3-7	03/08/90	11:30	<152	<217	<217	<217	<1090	<435	<978	<86.9	<1100	<1960	<71.7	<652	<435	<1090
BCSS3	8	BCSW3-8	03/08/90	13:30	<205	<292	<292	<292	<1460	<585	<1320	<117	<1500	<2630	<96.5	<877	<585	<1460
BCSS3	9	BCSW3-9	03/08/90	14:50	<172	<246	<246	<246	<1230	<492	<1110	<98.5	<1200	<2220	<81.2	<738	<492	<1230
BCSS3	10	BCSW3-10	03/08/90	16:15	<172	<246	<246	<246	<1230	<492	<1110	<98.5	<1200	<2220	<81.2	<738	<492	<1230
BCSS3	11	BCSW3-DUPE	03/09/90	07:15	<194	<277	<277	<277	<1390	<554	<1250	<111	<1400	<2490	<91.5	<831	<554	<1390
BCSS3	13	TRPBLK	03/02/90	17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER
FIELD GROUP BCSS3

PROJECT NAME PLANT 78 3-5-90
PROJECT MANAGER BOB CHESSON

STORET CODE:					34504	34499	34549	34318	34534	78756	34509	34299	34330	34544	34697	34487	34309	34702
METHOD CODE:					ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA
PARAMETER:					11DCET	11DCETHA	T-12DCETC	HLOROFORM	12DCETHA	12DCETHA	111TCETHA	CTCLIDEBR	DCLMETHA	12DCLPRT-	13DCPROP	TCET	DBRCMETHAC	IS13DCPRO
UNITS:					MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
BCSS3	3	BCSW3-3	03/09/90	08:45	<187	<107	<134	<53	<53	<1340	<53.5	<160	<134	<53.5	<535	<160	<130	<535
BCSS3	4	BCSW3-4	03/09/90	08:25	<167	<95.3	<119	<48	<48	<1190	<47.6	<143	<119	<47.6	<476	<143	<120	<476
BCSS3	5	BCSW3-5	03/09/90	07:15	<183	<104	<131	<52	<52	<1310	<52.2	<157	<131	<52.2	<522	<157	<130	<522
BCSS3	6	BCSW3-6	03/08/90	17:10	<174	<99.4	<124	<50	<50	<1240	<49.7	<149	<124	<49.7	<497	<149	<120	<497
BCSS3	7	BCSW3-7	03/08/90	11:30	<152	<86.9	<109	<43	<43	<1090	<43.5	<130	<109	<43.5	<435	<130	<110	<435
BCSS3	8	BCSW3-8	03/08/90	13:30	<205	<117	<146	<58	<58	<1460	<58.5	<175	<146	<58.5	<585	<175	<150	<585
BCSS3	9	BCSW3-9	03/08/90	14:50	<172	<98.5	<123	<49	<49	<1230	<49.2	<148	<123	<49.2	<492	<148	<120	<492
BCSS3	10	BCSW3-10	03/08/90	16:15	<172	<98.5	<123	<49	<49	<1230	<49.2	<148	<123	<49.2	<492	<148	<120	<492
BCSS3	11	BCSW3-DUPE	03/09/90	07:15	<194	<111	<139	<55	<55	<1390	<55.4	<166	<139	<55.4	<554	<166	<140	<554
BCSS3	13	TRPBLK	03/02/90	17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				34514	34579	34290	97042	97043	34519	34478	34304	97039	97036	98578	98233	99450	99451
METHOD CODE:				ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	ADHA	AD	ADMS	ADMS
PARAMETER:				112TCLETHA	2CLVE	BROMOFORM	1112TCLETH	TCLPR	1122TCLETH	TCLET	CLBZ	ICLHEX	BRBZ	DCB,T	PHC	ACNP	ACNPY
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<40.1	<187	<267	<1340	<1340	<53.5	<321	<321	<1340	<1340	<535	<27.3	<180	<130
BCSS3	4	BCSW3-4	03/09/90 08:25	<35.7	<167	<238	<1190	<1190	<47.6	<286	<286	<1190	<1190	<476	<20.9	<190	<140
BCSS3	5	BCSW3-5	03/09/90 07:15	<39.2	<183	<261	<1310	<1310	<52.2	<313	<313	<1310	<1310	<522	<28.0	<180	<130
BCSS3	6	BCSW3-6	03/08/90 17:10	<37.3	<174	<249	<1240	<1240	<49.7	<298	<298	<1240	<1240	<497	<25.6	<180	<130
BCSS3	7	BCSW3-7	03/08/90 11:30	<32.6	<152	<217	<1090	<1090	<43.5	<261	<261	<1090	<1090	<435	<15.7	<170	<120
BCSS3	8	BCSW3-8	03/08/90 13:30	<43.9	<205	<292	<1460	<1460	<58.5	<351	<351	<1460	<1460	<585	<24.6	<200	<140
BCSS3	9	BCSW3-9	03/08/90 14:50	<36.9	<172	<246	<1230	<1230	<49.2	<295	<295	<1230	<1230	<492	<22.1	<180	<130
BCSS3	10	BCSW3-10	03/08/90 16:15	<36.9	<172	<246	<1230	<1230	<49.2	<295	<295	<1230	<1230	<492	<26.0	<190	<130
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<41.6	<194	<277	<1390	<1390	<55.4	<333	<333	<1390	<1390	<554	<13.7	<180	<130
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				97643	97644	99452	97645	97646	99453	99454	99455	99456	99691	97647	97676	99463	99458
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				ACPHN	ANILINE	ANTH	AMINOBPH4	BZD	BZAA	BZBF	BZKF	BZAP	BZGHIP	BZLAL	BENZOA	BZBP	BIS2CEE
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<290	<150	<100	<480	<1200	<85	<180	<230	<250	<100	<120	<600	<200	<98
BCSS3	4	BCSW3-4	03/09/90 08:25	<310	<160	<110	<510	<1300	<90	<190	<240	<260	<110	<130	<630	<210	<100
BCSS3	5	BCSW3-5	03/09/90 07:15	<290	<150	<100	<480	<1200	<84	<180	<230	<250	<100	<120	<590	<200	<96
BCSS3	6	BCSW3-6	03/08/90 17:10	<280	<150	<100	<470	<1200	<83	<180	<220	<240	<99	<120	<580	<190	<95
BCSS3	7	BCSW3-7	03/08/90 11:30	<260	<140	<94	<430	<1100	<76	<160	<210	<220	<91	<110	<540	<180	<88
BCSS3	8	BCSW3-8	03/08/90 13:30	<320	<170	<110	<520	<1300	<92	<200	<250	<270	<110	<130	<650	<220	<110
BCSS3	9	BCSW3-9	03/08/90 14:50	<280	<150	<99	<460	<1100	<81	<170	<220	<240	<96	<120	<570	<190	<93
BCSS3	10	BCSW3-10	03/08/90 16:15	<290	<160	<110	<490	<1200	<86	<180	<230	<250	<100	<120	<610	<200	<98
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<290	<150	<100	<480	<1200	<84	<180	<230	<250	<100	<120	<590	<200	<96
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

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PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				97493	99460	97547	99462	97648	97649	99464	99497	99683	99465	99690	97650	99466	97651
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				BIS2CEM	BIS2EHP	BIS2CIE	BPPE4	CLANIL4	ICLNAP	CLNPH2	CLPH2	C3NP4	CPPE4	CHRYSENE	DBAJA	DBAHA	DBF
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<110	<190	<160	<96	<160	<130	<120	<110	<160	<120	<130	<480	<87	<130
BCSS3	4	BCSW3-4	03/09/90 08:25	<120	<200	<170	<100	<170	<140	<130	<110	<160	<120	<140	<510	<92	<130
BCSS3	5	BCSW3-5	03/09/90 07:15	<110	<190	<160	<94	<160	<130	<120	<110	<150	<110	<130	<480	<86	<120
BCSS3	6	BCSW3-6	03/08/90 17:10	<110	<190	<160	<93	<160	<130	<120	<110	<150	<110	<130	<470	<85	<120
BCSS3	7	BCSW3-7	03/08/90 11:30	<100	<170	<140	<86	<150	<120	<110	<97	<140	<100	<120	<430	<78	<110
BCSS3	8	BCSW3-8	03/08/90 13:30	<120	<210	<170	<100	<180	<140	<130	<120	<170	<130	<140	<520	<94	<140
BCSS3	9	BCSW3-9	03/08/90 14:50	<110	<180	<150	<91	<150	<130	<120	<100	<150	<110	<130	<460	<83	<120
BCSS3	10	BCSW3-10	03/08/90 16:15	<110	<190	<160	<96	<160	<130	<120	<110	<160	<120	<130	<490	<88	<130
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<110	<190	<160	<94	<160	<130	<120	<110	<150	<110	<130	<480	<86	<120
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:					99467	99468	99470	99469	99471	99498	99472	97652	97653	97654	97677	99499	99473	97678
METHOD CODE:					ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:					DNBP	DCBZ13	DCBZ12	DCBZ14	DCBZD33	DCP24	DEPH	PDMAABZ	DMBAAN712	MPEA11	DCP26	DMP24	DMPH	DN46M
UNITS:					MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
BCSS3	3	BCSW3-3	03/09/90	08:45	<150	<310	<370	<340	<150	<140	<240	<480	<270	<150	<120	<480	<250	<230
BCSS3	4	BCSW3-4	03/09/90	08:25	<150	<320	<390	<360	<160	<140	<260	<510	<280	<150	<130	<510	<270	<240
BCSS3	5	BCSW3-5	03/09/90	07:15	<140	<300	<370	<330	<150	<140	<240	<480	<260	<140	<120	<480	<250	<230
BCSS3	6	BCSW3-6	03/08/90	17:10	<140	<300	<360	<330	<150	<130	<240	<470	<260	<140	<120	<470	<250	<230
BCSS3	7	BCSW3-7	03/08/90	11:30	<130	<280	<340	<310	<140	<120	<220	<430	<240	<130	<110	<430	<230	<210
BCSS3	8	BCSW3-8	03/08/90	13:30	<160	<330	<400	<370	<170	<150	<260	<520	<290	<160	<130	<520	<270	<250
BCSS3	9	BCSW3-9	03/08/90	14:50	<140	<290	<350	<320	<150	<130	<230	<460	<260	<140	<120	<460	<240	<220
BCSS3	10	BCSW3-10	03/08/90	16:15	<150	<310	<380	<340	<160	<140	<250	<490	<270	<150	<120	<490	<250	<230
BCSS3	11	BCSW3-DUPE	03/09/90	07:15	<140	<300	<370	<340	<150	<140	<240	<480	<260	<140	<120	<480	<250	<230
BCSS3	13	TRPBLK	03/02/90	17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

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PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				99695	99474	99475	97655	99477	97656	99476	99689	99692	99478	99479	97657	99480	99482
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				DNP24	DNT24	DNT26	DPA	DIPI2	EMSULFN	DNOP	FLA	FL	HCLBZ	HCBU	HCCP	HCLEA	INP123
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<290	<110	<160	<370	<480	<240	<98	<160	<150	<130	<340	<200	<430	<130
BCSS3	4	BCSW3-4	03/09/90 08:25	<310	<120	<170	<390	<510	<250	<100	<170	<160	<140	<360	<210	<450	<140
BCSS3	5	BCSW3-5	03/09/90 07:15	<290	<110	<160	<370	<480	<240	<96	<160	<150	<130	<340	<190	<420	<130
BCSS3	6	BCSW3-6	03/08/90 17:10	<290	<110	<150	<360	<470	<230	<95	<150	<140	<130	<330	<190	<420	<130
BCSS3	7	BCSW3-7	03/08/90 11:30	<260	<98	<140	<330	<430	<220	<88	<140	<130	<120	<310	<180	<390	<120
BCSS3	8	BCSW3-8	03/08/90 13:30	<320	<120	<170	<400	<520	<260	<110	<170	<160	<140	<370	<210	<470	<140
BCSS3	9	BCSW3-9	03/08/90 14:50	<280	<100	<150	<350	<460	<230	<93	<150	<140	<130	<330	<190	<410	<120
BCSS3	10	BCSW3-10	03/08/90 16:15	<300	<110	<160	<370	<490	<240	<98	<160	<150	<130	<340	<200	<430	<130
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<290	<110	<160	<370	<480	<240	<96	<160	<150	<130	<340	<200	<420	<130
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

220000

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				99483	97658	97659	97660	99696	97661	97717	97662	97663	97664	99485	97665	97666	97667
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:				ISOP	MECHLAN3	MMSULFN	MTNPH2	NAPHAMI	NONAPHI	AMINONAPH2	NO2ANIL2	NO2ANIL3	NO2ANIL4	NO3BZ	NTSBN	NNSM	NNSPH
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<88	<140	<180	<310	<290	<490	<350	<100	<170	<260	<91	<120	<280	<100
BCSS3	4	BCSW3-4	03/09/90 08:25	<93	<150	<190	<320	<300	<510	<370	<110	<180	<280	<96	<120	<290	<110
BCSS3	5	BCSW3-5	03/09/90 07:15	<87	<140	<180	<300	<280	<480	<350	<100	<170	<260	<89	<120	<270	<100
BCSS3	6	BCSW3-6	03/08/90 17:10	<85	<140	<180	<300	<280	<470	<340	<100	<170	<260	<88	<110	<270	<100
BCSS3	7	BCSW3-7	03/08/90 11:30	<79	<130	<160	<270	<260	<440	<320	<93	<150	<240	<82	<110	<250	<94
BCSS3	8	BCSW3-8	03/08/90 13:30	<95	<150	<200	<330	<310	<530	<380	<110	<190	<280	<98	<130	<300	<110
BCSS3	9	BCSW3-9	03/08/90 14:50	<84	<130	<170	<290	<270	<460	<340	<98	<160	<250	<86	<110	<260	<99
BCSS3	10	BCSW3-10	03/08/90 16:15	<89	<140	<180	<310	<290	<490	<360	<100	<170	<260	<91	<120	<280	<110
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<87	<140	<180	<300	<280	<480	<350	<100	<170	<260	<90	<120	<270	<100
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:					97669	97670	97671	97672	97679	97680	99495	99496	99487	99682	99489	97673	97674	99685
METHOD CODE:					ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	ADMS
PARAMETER:					NNSPPRD	PECLBZ	PECLNO2BZ	PHNACTN	MEPH2	MEPH4	NTPH2	NTPH4	NTSPRN	PCP	PHAN	PIC2?	PRONAMD	TPHEN
UNITS:					MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
BCSS3	3	BCSW3-3	03/09/90	08:45	<200	<140	<65	<150	<120	<380	<70	<250	<120	<210	<93	<220	<480	<220
BCSS3	4	BCSW3-4	03/09/90	08:25	<210	<150	<68	<150	<130	<400	<73	<270	<120	<220	<98	<230	<510	<230
BCSS3	5	BCSW3-5	03/09/90	07:15	<200	<140	<64	<140	<120	<370	<68	<250	<110	<210	<91	<210	<480	<220
BCSS3	6	BCSW3-6	03/08/90	17:10	<200	<140	<63	<140	<120	<370	<68	<250	<110	<210	<90	<210	<470	<220
BCSS3	7	BCSW3-7	03/08/90	11:30	<180	<130	<58	<130	<110	<340	<63	<230	<100	<190	<83	<190	<430	<200
BCSS3	8	BCSW3-8	03/08/90	13:30	<220	<150	<70	<160	<130	<410	<75	<270	<130	<230	<100	<230	<520	<240
BCSS3	9	BCSW3-9	03/08/90	14:50	<190	<140	<62	<140	<120	<360	<66	<240	<110	<200	<88	<200	<460	<210
BCSS3	10	BCSW3-10	03/08/90	16:15	<200	<140	<65	<150	<120	<380	<70	<250	<120	<210	<93	<220	<490	<220
BCSS3	11	BCSW3-DUPE	03/09/90	07:15	<200	<140	<64	<140	<120	<370	<69	<250	<110	<210	<91	<210	<480	<220
BCSS3	13	TRPBLK	03/02/90	17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ

620029

PROJECT NUMBER PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				99490	97675	99492	97681	98587	99684	34030	34010	34301	34371	99634	81551	81524	34418
METHOD CODE:				ADMS	ADMS	ADMS	ADMS	ADMS	ADMS	PI	PI	PI	PI	PI	PI	PI	HA
PARAMETER:				PYR	TCB1	TCB124	2346CP	TCP245	TCP246	BZ	BZME	CLBZ	EBZ	BRBZ	XYL	DCBZ	CHLORMTH
UNITS:				MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	MG/KG-DRY	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	<99	<140	<290	<110	<130	<140	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	4	BCSW3-4	03/09/90 08:25	<100	<140	<300	<120	<140	<150	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	5	BCSW3-5	03/09/90 07:15	<97	<130	<280	<110	<130	<140	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	6	BCSW3-6	03/08/90 17:10	<96	<130	<280	<110	<130	<140	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	7	BCSW3-7	03/08/90 11:30	<89	<120	<260	<98	<120	<130	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	8	BCSW3-8	03/08/90 13:30	<110	<150	<310	<120	<140	<150	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	9	BCSW3-9	03/08/90 14:50	<94	<130	<270	<100	<130	<130	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	10	BCSW3-10	03/08/90 16:15	<99	<140	<290	<110	<130	<140	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	<97	<130	<280	<110	<130	<140	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	13	TRPBLK	03/02/90 17:00	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	<0.70	<1.00	<1.00	<1.00	<5.00	<2.00	<4.50	<0.400

Hunter/ESE, Inc. 04/25/90

PROJECT NUMBER
FIELD GROUP BCSS3

PROJECT NAME PLANT 78 3-5-90
PROJECT MANAGER BOB CHESSON

STORET CODE:				34413	39175	34311	34668	34423	34488	34501	34496	34546	32106	34531	81522	34506	32102
METHOD CODE:				HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA
PARAMETER:				BROMMTH	MVC	CLEA	FCL2	MTHLENCL	FC11	DCE11	DCA11	DCE12T	TCLME	DCA12	DEMA	TCA111	CTCL
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	4	BCSW3-4	03/09/90 08:25	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	5	BCSW3-5	03/09/90 07:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	6	BCSW3-6	03/08/90 17:10	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	7	BCSW3-7	03/08/90 11:30	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	8	BCSW3-8	03/08/90 13:30	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	9	BCSW3-9	03/08/90 14:50	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	10	BCSW3-10	03/08/90 16:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	13	TRPBLK	03/02/90 17:00	<6.00	<0.300	<3.00	<9.00	4.39	<5.00	<0.700	<0.400	<0.500	<0.200	<0.200	<6.00	<0.200	<0.600

000031

PROJECT NUMBER [redacted] PROJECT NAME PLANT 78 3-5-90
FIELD GROUP BCSS3 PROJECT MANAGER BOB CHESSON

STORET CODE:				32101	34541	34699	34511	39180	32105	34704	34576	32104	77562	97758	34475	34516	34301
METHOD CODE:				HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA
PARAMETER:				BDCME	DCP12	DCP13T	TCA112	TCE	DBCME	DCP13C	CEVETH	TBME	PCA	TCP	PCE	PCA	CLBZ
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
BCSS3	3	BCSW3-3	03/09/90 08:45	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	4	BCSW3-4	03/09/90 08:25	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	5	BCSW3-5	03/09/90 07:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	6	BCSW3-6	03/08/90 17:10	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	7	BCSW3-7	03/08/90 11:30	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	8	BCSW3-8	03/08/90 13:30	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	9	BCSW3-9	03/08/90 14:50	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	10	BCSW3-10	03/08/90 16:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ	NRQ
BCSS3	13	TRPBLK	03/02/90 17:00	<0.500	<0.200	<2.00	<0.300	<0.600	<0.500	<2.00	<0.700	<1.00	<5.00	<5.0	<0.330	<0.330	<1.20

PROJECT NUMBER
FIELD GROUP BCSS3

PROJECT NAME PLANT 78 3-5-90
PROJECT MANAGER BOB CHESSON

STORET CODE:				97761	99634	81524
METHOD CODE:				HA	HA	HA
PARAMETER:				CLHX1	BRBZ	DCBZ
UNITS:				UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME			
BCSS3	3	BCSW3-3	03/09/90 08:45	NRQ	NRQ	NRQ
BCSS3	4	BCSW3-4	03/09/90 08:25	NRQ	NRQ	NRQ
BCSS3	5	BCSW3-5	03/09/90 07:15	NRQ	NRQ	NRQ
BCSS3	6	BCSW3-6	03/08/90 17:10	NRQ	NRQ	NRQ
BCSS3	7	BCSW3-7	03/08/90 11:30	NRQ	NRQ	NRQ
BCSS3	8	BCSW3-8	03/08/90 13:30	NRQ	NRQ	NRQ
BCSS3	9	BCSW3-9	03/08/90 14:50	NRQ	NRQ	NRQ
BCSS3	10	BCSW3-10	03/08/90 16:15	NRQ	NRQ	NRQ
BCSS3	11	BCSW3-DUPE	03/09/90 07:15	NRQ	NRQ	NRQ
BCSS3	13	TRPBLK	03/02/90 17:00	<5.0	<5	<2.00

[redacted] SAMP[redacted]TE R[redacted]FOR [redacted] 78 [redacted] SAMP[redacted]

SAMPLE ID	STATION ID	COLL. DATE	CLASSIFICATION	EXTRACTION DATE	ANALYSIS DATE	COLL. TO EXTR.	EXTR. TO ANA.	COLL. TO ANA.	ESE Batch
BCSW3*3	BCSW3-3	03/09/90	PURGE. AROMATICS-SW8020	NA	03/14/90			5	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			5	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	6	1	7	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	5	9	14	D1735
BCSW3*4	BCSW3-4	03/09/90	PURGE. AROMATICS-SW8020	NA	03/14/90			5	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			5	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	6	1	7	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	5	9	14	D1735
BCSW3*5	BCSW3-5	03/09/90	PURGE. AROMATICS-SW8020	NA	03/14/90			5	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			5	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	6	1	7	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/22/90	5	8	13	D1735
BCSW3*6	BCSW3-6	03/08/90	PURGE. AROMATICS-SW8020	NA	03/14/90			6	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			6	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	7	1	8	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/22/90	6	8	14	D1735
BCSW3*7	BCSW3-7	03/08/90	PURGE. AROMATICS-SW8020	NA	03/14/90			6	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			6	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	7	1	8	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	6	9	15	D1735
BCSW3*8	BCSW3-8	03/08/90	PURGE. AROMATICS-SW8020	NA	03/14/90			6	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			6	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	7	1	8	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	6	9	15	D1735
BCSW3*9	BCSW3-9	03/08/90	PURGE. AROMATICS-SW8020	NA	03/14/90			6	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			6	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	7	1	8	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	6	9	15	D1735
BCSW3*10	BCSW3-10	03/08/90	PURGE. AROMATICS-SW8020	NA	03/14/90			6	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			6	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	7	1	8	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/23/90	6	9	15	D1735
BCSW3*11	BCSW3-DUPE	03/09/90	PURGE. AROMATICS-SW8020	NA	03/14/90			5	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			5	D1740
			HYDROCARBON-E418.1	03/15/90	03/16/90	6	1	7	D1738
			SEMIVOLATILES-SW8270	03/14/90	03/24/90	5	10	15	D1735
BCSW3*14	TRPBLK	03/02/90	PURGE. AROMATICS-SW8020	NA	03/14/90			12	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			12	D1740

[redacted] SAMPLE DATE [redacted] FOR [redacted] 78 [redacted] SAMP [redacted]

SAMPLE ID	STATION ID	COLL. DATE	CLASSIFICATION	EXTRACTION DATE	ANALYSIS DATE	COLL. TO EXTR.	EXTR. TO ANA.	COLL. TO ANA.	ESE Batch
BCSS3*3	BCSW3-3	03/09/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	5	1	6	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	5	1	6	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	5	2	7	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	11	4	15	D1759
BCSS3*4	BCSW3-4	03/09/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	5	1	6	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	5	1	6	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	5	2	7	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	11	4	15	D1759
BCSS3*5	BCSW3-5	03/09/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	5	1	6	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	5	1	6	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	5	2	7	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	11	4	15	D1759
BCSS3*6	BCSW3-6	03/08/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	6	1	7	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	6	1	7	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	6	2	8	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	12	4	16	D1759
BCSS3*7	BCSW3-7	03/08/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	6	1	7	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	6	1	7	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	6	2	8	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	12	4	16	D1759
BCSS3*8	BCSW3-8	03/08/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	6	1	7	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	6	1	7	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	6	2	8	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	12	4	16	D1759
BCSS3*9	BCSW3-9	03/08/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	6	1	7	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	6	1	7	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	6	2	8	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	12	4	16	D1759
BCSS3*10	BCSW3-10	03/08/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	6	1	7	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	6	1	7	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	6	2	8	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	12	4	16	D1759
BCSS3*11	BCSW3-DUPE	03/09/90	PURGE. AROMATICSS-SW8020	03/14/90	03/15/90	5	1	6	D1749
			PURGE. HALOCARBONS-SW8010	03/14/90	03/15/90	5	1	6	D1749
			HYDROCARBONS-E418.1	03/14/90	03/16/90	5	2	7	D1737
			SEMIVOLATILES-SW8270	03/20/90	03/24/90	11	4	15	D1759
BCSS3*13	TRPBLK	03/02/90	PURGE. AROMATICS-SW8020	NA	03/14/90			12	D1740
			PURGE. HALOCARBONS-SW8010	NA	03/14/90			12	D1740

Chain of Custody Forms

Coleman Cooler

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-W
PROJECT NUMBER FREE PROJECT NAME: PLANT 78 WATERS LAB COORD. ANGELA BURCH

E_#	SITE/STA	HAZ?	FRACTIONS (CIRCLE)							DATE	TIME	PARAMETER LIST	
*1	P-8	O N	V	V	V	V	V	W	NF	7/26/89	1645	P782-W	V fractions preserved with Nitric;
*2	P-8-DUP	O N	V	V	V	V	V	W	NF	7/26/89	1645	P782-W	NF fractions unfiltered & not
*3	P-9	O N	V	V	V	V	V	W	NF	7/26/89	1207	P782-W	Preserved; needs to be filtered &
*4	P-9-DUP	O N	V	V	V	V	V	W	NF	7/26/89	1207	P782-W	Preserved in lab.
*5	RWB	O N	V	V	V	V	V	W	NF	7/26/89	1040	P782-W	
*6	TRPBLK	O X	V	V	V	V	V	X	NF			P782-W	

OTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE, TIME, FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC W=WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

LINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 L. Davis/Hunter Services/7-27-89/1102	K. Mill	Hunter/ESE 7/28/89 0900
2		
3		

AMPLER: MORE SAMPLES TO BE SHIPPED? NO IF YES, ANTICIPATED # ___ TO SHIP ON __/__/__
AMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

V= voa vials (44ml) - collect 5 per site HCl TO pH < 2

O= 950 ml glass jar - collect 1 per site

W= 80 oz jug - collect 1 per site

N= plastic cubitainer preserved with nitric acid - collect 1 per site

NF= plastic cubitainer filtered in field and preserved with nitric acid
Collect 1 per site

000036

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-W
PROJECT NUMBER FREE PROJECT NAME: PLANT 78 WATERS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS (CIRCLE)	DATE	TIME	PARAMETER LIST
*1	P-8		O V V V V V W NF			P782-W
*2	P-8-DUP		O V V V V V W NF			P782-W
*3	P-9		O V V V V V W NF	7/26/89	1207	P782-W ; N fractions preserved with nitric, NF fractions unfiltered & not preserved
*4	P-9-DUP		O V V V V V W NF	7/26/89	1207	P782-W needs to be filtered & preserved in lab.
*5	RWB		O V V V V V W NF	7/26/89	1040	P782-W
~~*6~~	~~TRPBLK~~		~~O V V V V V W NF~~ SMP			~~P782-W~~

NOTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE, TIME, FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC W=WASTE H=CHRONIC HAZARD IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

RELINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1		
2 Steve Burns / Hunter/ESE Inc / 7-27-89 / 11:13		[illegible] M/M Hunter/E.S.E. 7/28/89 0900
3		

SAMPLER: MORE SAMPLES TO BE SHIPPED? NO IF YES, ANTICIPATED # ___ TO SHIP ON __/___/___
SAMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

V= voa vials (44ml) - collect 5 per site

O= 950 ml glass jar - collect 1 per site

W= 80 oz jug - collect 1 per site

N= plastic cubitainer preserved with nitric acid - collect 1 per site

NF= plastic cubitainer filtered in field and preserved with nitric acid
Collect 1 per site

(no Preg)

000037

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER 99003- PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
*1	~~E519B1-1~~ E-515-B2-1		(SS) (SS) (SV)	7-13-89	1502	P782-S * ~~11~~ 12
*2	~~E519B1-2~~ E-515B2-2		(SS) (SS) (SV)	7-14-89	0735	P782-S * ~~12~~ 13
*3	E519B1-3		SS SS SV			P782-S
*4	E519B1-4		SS SS SV			P782-S
*5	E519B1-5		SS SS SV			P782-S
*6	E516B1-1		SS SS SV			P782-S
*7	E516B1-2		SS SS SV			P782-S
*8	E516B1-3		SS SS SV			P782-S
*9	E516B1-4		SS SS SV			P782-S
*10	E516B1-5		SS SS SV			P782-S
*11	DUP		SS SS SV			P782-S

NOTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

RELINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 Kumpa Dandavati - Hunter - 7-14-89 1300 hours	FedEx	K. M. Hunter/E.S.E. 7/15/89 1030
2		
3		

SAMPLER: MORE SAMPLES TO BE SHIPPED? ___ IF YES, ANTICIPATED # ___ TO SHIP ON __/___/___
SAMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

SS = 250 ml jar, collect 2 per site
SV = 60 ml jar, collect 1 per site

000038

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER 99003- PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
*1	E519B1-1		SS SS SV			P782-S
*2	E519B1-2		SS SS SV			P782-S
*3	E519B2-3		(SS) (SS) (SV)	7/18/89	1105	P782-S ~~*3-55 KM 14~~
*4	E519B2-4		(SS) (SS) (SV)	7/18/89	1637	P782-S ~~*4-55 KM 15~~
*5	E519B1-5		SS SS SV			P782-S
*6	E516B1-1		SS SS SV			P782-S
*7	E516B1-2		SS SS SV			P782-S
*8	E516B1-3		SS SS SV			P782-S
*9	E516B1-4		SS SS SV			P782-S
*10	E516B1-5		SS SS SV			P782-S
*11	DUP		SS SS SV			P782-S

OTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

LINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 Bob Winters/Hunter/7-20-89/0900	Fed X	Kim Will Hunter/E.S.E. 7/21/89 10:20
2		
3		

AMPLER: MORE SAMPLES TO BE SHIPPED? ___ IF YES, ANTICIPATED # ___ TO SHIP ON __/___/___
AMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

SS = 250 ml jar, collect 2 per site
SV = 60 ml jar, collect 1 per site

000039

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER 99003- PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
*1	E519B1-1		(SS) (SS) (SV)	6/2/89	1052	P782-S
*2	E519B1-2		SS SS (SV)	6/2/89	1104	P782-S
*3	E519B1-3		(SS) (SS) (SV)	6/2/89	1200	P782-S
*4	E519B1-4		SS SS SV			P782-S
*5	E519B1-5		SS SS SV			P782-S
*6	E516B1-1		SS SS SV			P782-S
*7	E516B1-2		SS SS SV			P782-S
*8	E516B1-3		SS SS SV			P782-S
*9	E516B1-4		SS SS SV			P782-S
*10	E516B1-5		SS SS SV			P782-S
*11	DUP		SS SS SV			P782-S

SP

OTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

LINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 A. Pass / Hunter Services Inc / 6-5-89 / 1035		[illegible] / Hunter/E.S.E. 6/6/89 0900
2		
3		

AMPLER: MORE SAMPLES TO BE SHIPPED? ~~yes~~ no IF YES, ANTICIPATED # ?__ TO SHIP ON 6/7-18-89
AMPLE CUSTODIAN: Custody Seals Intact? ✓ Samples Iced? ✓ Preservations Audited? ___ Problems? ___

SS = 250 ml jar, collect 2 per site
SV = 60 ml jar, collect 1 per site

000040

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER 99003- PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
*1	E519B1-1		SS SS SV	6-22-89	0945	P782-S
*2	E519B1-2		SS SS SV	6-22-89	0945	P782-S
*3	E519B1-3		SS SS SV			P782-S
*4	E519B1-4		SS SS SV			P782-S
*5	E519B1-5		SS SS SV			P782-S
*6	E516B1-1		SS SS SV			P782-S
*7	E516B1-2		SS SS SV			P782-S
*8	E516B1-3		SS SS SV			P782-S
*9	E516B1-4		SS SS SV			P782-S
*10	E516B1-5		SS SS SV			P782-S
*11	DUP		SS SS SV			P782-S

NOTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

RELINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 Bob Winters / Hunter Services / 6-23-89 / 1330		[signature] Hunter E.S.E. 6/26/89 1000
2		
3		

SAMPLER: MORE SAMPLES TO BE SHIPPED? YES IF YES, ANTICIPATED # ___ TO SHIP ON __/___/__ ONK
SAMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

SS = 250 ml jar, collect 2 per site
SV = 60 ml jar, collect 1 per site

900041

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER 99003- PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

SE #	SITE/STA	HAZ?	FRACTIONS(CIRCLE) SS SS SV	DATE	TIME	PARAMETER LIST
*1	E519B1-1		SS SS SV			P782-S
*2	E519B1-2		SS SS SV			P782-S
*3	E519B1-3		(SS) (SS) (SV)			P782-S * 9-55
*4	E519B1-4		(SS) (SS) (SV)			P782-S * 9-55
*5	E519B1-5		(SS) (SS) (SV)			P782-S * 10-55
*6	E516B1-1		SS SS SV			P782-S
*7	E516B1-2		SS SS SV			P782-S
*8	E516B1-3		SS SS SV			P782-S
*9	E516B1-4		SS SS SV			P782-S
*10	E516B1-5		SS SS SV			P782-S
*11	DUP		(SS) (SS) (SV)			P782-S * 11 - 55

OTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

LINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 Kimper Dandekar / Hunter Services / 7-10-89	Fed Ex	[illegible] Hunter/ESE 7/11/89 0940
2		
3		

AMPLER: MORE SAMPLES TO BE SHIPPED? YES IF YES, ANTICIPATED # 5 TO SHIP ON 7/13/89
AMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

SS = 250 ml jar, collect 2 per site

SV = 60 ml jar, collect 1 per site

000042

TCLP

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER FREE PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

#	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
12	ES15B1-02	TCLP	SS SS ~~SV~~	7-20-89	0810	P782-S ~~*12-55~~ K24 66
13	ES19B1	TCLP	SS SS ~~SV~~	7-20-89	0810	P782-S ~~*13-55~~ K24 17

NOTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

	RELINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1	Bob Winters/Hunter/7-20-89/0900	FedX	[signature] Hunter/E.S.E. 7/21/89 10:20
2			
3	Water		

SAMPLER: MORE SAMPLES TO BE SHIPPED? YES IF YES, ANTICIPATED # ___ TO SHIP ON 7/24/89
SAMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

55 = 250 ml jar - collect 2 per site

000043

Hunter/ESE, Inc. 05-25-89 *** FIELD LOGSHEET *** FIELD GROUP: P782-S
PROJECT NUMBER FREE PROJECT NAME: PLANT 78 SOILS LAB COORD. ANGELA BURCH

E #	SITE/STA	HAZ?	FRACTIONS(CIRCLE)	DATE	TIME	PARAMETER LIST
*14	TRPBLK		(V) (V) (V) (V) (V)			P782-W

OTE -CHANGE OR ENTER SITE ID AS NECESSARY; UP TO 9 ALPHANUMERIC CHARACTERS MAY BE USED
-CIRCLE FRACTIONS COLLECTED. ENTER DATE,TIME,FIELD DATA (IF REQUIRED), HAZARD CODE AND NOTES
-HAZARD CODES: I=IGNITABLE C=CORROSIVE R=REACTIVE T=TOXIC WASTE H=OTHER ACUTE HAZARD; IDENTIFY SPECIFICS IF KNOWN
-PLEASE RETURN COMPLETED LOGSHEETS WITH SAMPLES TO Hunter/ESE, Inc.

LINQUISHED BY: (NAME/ORGANIZATION/DATE/TIME)	VIA:	REC'D BY (NAME/ORGANIZATION/DATE/TIME)
1 [illegible] / Hunter Services / 7-27-89 / 11:13		[illegible] Hunter/ESE 7/28/89 0900
2		
3		

AMPLER: MORE SAMPLES TO BE SHIPPED? NO IF YES, ANTICIPATED # ___ TO SHIP ON __/___/___
AMPLE CUSTODIAN: Custody Seals Intact? ___ Samples Iced? ___ Preservations Audited? ___ Problems? ___

000044

Quality Control Summary Sheets

Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES

Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
BENZENE	UG/L	34030*PI	D1740	MB*D1740*1	02/14/90	0.0	
TOLUENE	UG/L	34010*PI		MB*D1740*1		0.0	
CHLOROBENZENE	UG/L	34301*PI		MB*D1740*1		0.0	
ETHYLBENZENE	UG/L	34371*PI		MB*D1740*1		0.0	
BROMOBENZENE	UG/L	99634*PI		MB*D1740*1		0.0	
XYLENES,TOTAL	UG/L	81551*PI		MB*D1740*1		0.0	
DICHLOROBENZENE,TOT.	UG/L	81524*PI		MB*D1740*1		0.0	
CHLOROMETHANE	UG/L	34418*HA		MB*D1740*1		0.0	
BROMOMETHANE	UG/L	34413*HA		MB*D1740*1		0.0	
VINYL CHLORIDE	UG/L	39175*HA		MB*D1740*1		0.0	
CHLOROETHANE	UG/L	34311*HA		MB*D1740*1		0.0	
DICHLORODIFLUOROMETHANE	UG/L	34668*HA		MB*D1740*1		0.0	
METHYLENE CHLORIDE	UG/L	34423*HA		MB*D1740*1		0.415	
TRICHL'FLUOROMETHANE	UG/L	34488*HA		MB*D1740*1		0.0	
1,1-DICHLOROETHYLENE	UG/L	34501*HA		MB*D1740*1		0.0	
1,1-DICHLOROETHANE	UG/L	34496*HA		MB*D1740*1		0.0	
TRANS-1,2-DICHLOROETHENE	UG/L	34546*HA		MB*D1740*1		0.0	
CHLOROFORM	UG/L	32106*HA		MB*D1740*1		0.0	
1,2-DICHLOROETHANE	UG/L	34531*HA		MB*D1740*1		0.0	
DIBROMOMETHANE	UG/L	81522*HA		MB*D1740*1		0.0	
1,1,1-TRICHL'ETHANE	UG/L	34506*HA		MB*D1740*1		0.0	
CARBON TETRACHLORIDE	UG/L	32102*HA		MB*D1740*1		0.0	
BROMODICHLOROMETHANE	UG/L	32101*HA		MB*D1740*1		0.0	
1,2-DICHLOROPROPANE	UG/L	34541*HA		MB*D1740*1		0.0	
TRANS-1,3-DICHLOROPROPENE	UG/L	34699*HA		MB*D1740*1		0.0	
1,1,2-TRICHL'ETHANE	UG/L	34511*HA		MB*D1740*1		0.0	
TRICHLOROETHENE	UG/L	39180*HA		MB*D1740*1		0.0	
DIBROMOCHLOROMETHANE	UG/L	32105*HA		MB*D1740*1		0.0	
CIS-1,3-DICHLOROPROPENE	UG/L	34704*HA		MB*D1740*1		0.0	
2-CHLOROETHYLVINYLETHER	UG/L	34576*HA		MB*D1740*1		0.0	
BROMOFORM	UG/L	32104*HA		MB*D1740*1		0.0	
1,1,1,2-TETRACH'ETHANE	UG/L	77562*HA		MB*D1740*1		0.0	
TRICHLOROPROPANE	UG/L	97758*HA		MB*D1740*1		0.0	
TETRACHLOROETHENE	UG/L	34475*HA		MB*D1740*1		0.0	
1,1,2,2-TETRACHLORO ETHANE	UG/L	34516*HA		MB*D1740*1		0.0	
1-CHLOROHEXANE	UG/L	97761*HA		MB*D1740*1		0.0	
HYDROCARBONS,PETROL.,TOT	UG/L	99388*DIR	D1738	MB*MBLK*1738	03/16/90	156	
ACENAPHTHENE	UG/L	34205*ADMS	D1735	MB*D1735*1	03/22/90	0.0	
ACENAPHTHYLENE	UG/L	34200*ADMS		MB*D1735*1		0.0	
ACETOPHENONE	UG/L	81553*ADMS		MB*D1735*1		0.0	
ANILINE	UG/L	77089*ADMS		MB*D1735*1		0.0	
ANTHRACENE	UG/L	34220*ADMS		MB*D1735*1		0.0	
4-AMINOBIPHENOL	UG/L	97693*ADMS		MB*D1735*1		0.0	
BENZIDINE	UG/L	39120*ADMS		MB*D1735*1		0.0	
BENZO(A)ANTHRACENE	UG/L	34526*ADMS		MB*D1735*1		0.0	
BENZO(B)FLUORANTHENE	UG/L	34230*ADMS		MB*D1735*1		0.0	
BENZO(K)FLUORANTHENE	UG/L	34242*ADMS		MB*D1735*1		0.0	
BENZO(A)PYRENE	UG/L	34247*ADMS		MB*D1735*1		0.0	
BENZO(GHI)PERYLENE	UG/L	34521*ADMS		MB*D1735*1		0.0	
BENZYL ALCOHOL	UG/L	77147*ADMS		MB*D1735*1		0.0	
BENZOIC ACID	UG/L	77247*ADMS		MB*D1735*1		0.0	
BUTYLBENZYLPHTHALATE	UG/L	34292*ADMS		MB*D1735*1		0.0	
BIS(2-CHLOROETHYL)ETHER	UG/L	34273*ADMS		MB*D1735*1		0.0	
BIS(2-CHLOROETHOXY)METHANE	UG/L	34278*ADMS		MB*D1735*1		0.0	
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	39100*ADMS		MB*D1735*1		0.0	
BIS(2-CHL'ISOPROPYL) ETHER	UG/L	34283*ADMS		MB*D1735*1		0.0	

QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES
Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
4-BROMOPHENYLPHENYL ETHER	UG/L	34636*ADMS	D1735	MB*D1735*1	03/22/90	0.0	
4-CHLOROANILINE	UG/L	99075*ADMS		MB*D1735*1		0.0	
1-CHLORONAPHTHALENE	UG/L	97694*ADMS		MB*D1735*1		0.0	
2-CHLORONAPHTHALENE	UG/L	34581*ADMS		MB*D1735*1		0.0	
2-CHLOROPHENOL	UG/L	34586*ADMS		MB*D1735*1		0.0	
4-CHLORO-3-METHYLPHENOL	UG/L	34452*ADMS		MB*D1735*1		0.0	
4-CHLOROPHENYLPHENYL ETHER	UG/L	34641*ADMS		MB*D1735*1		0.0	
CHRYSENE	UG/L	34320*ADMS		MB*D1735*1		0.0	
DIBENZ(A,J)ACRIDINE	UG/L	97695*ADMS		MB*D1735*1		0.0	
DIBEN'(A,H)ANTH'CENE	UG/L	34556*ADMS		MB*D1735*1		0.0	
DIBENZOFURAN	UG/L	81302*ADMS		MB*D1735*1		0.0	
DI-N-BUTYLPHTHALATE	UG/L	39110*ADMS		MB*D1735*1		0.0	
1,3,DICHLOROBENZENE	UG/L	34566*ADMS		MB*D1735*1		0.0	
1,2-DICHLOROBENZENE	UG/L	34536*ADMS		MB*D1735*1		0.0	
1,4-DICHLOROBENZENE	UG/L	34571*ADMS		MB*D1735*1		0.0	
3,3'-DICHL'BENZIDINE	UG/L	34631*ADMS		MB*D1735*1		0.0	
2,4-DICHLOROPHENOL	UG/L	34601*ADMS		MB*D1735*1		0.0	
2,6-DICHLOROPHENOL	UG/L	77541*ADMS		MB*D1735*1		0.0	
DIETHYLPHTHALATE	UG/L	34336*ADMS		MB*D1735*1		0.0	
P-DIMETHYLAMINOAZOBENZENE	UG/L	97696*ADMS		MB*D1735*1		0.0	
7,12-DIMETHYLBENZ(A)ANTHRANCEN	UG/L	97697*ADMS		MB*D1735*1		0.0	
A-,A-DIMETHYLPHENETHYLAMINE	UG/L	97698*ADMS		MB*D1735*1		0.0	
2,4-DIMETHYLPHENOL	UG/L	34606*ADMS		MB*D1735*1		0.0	
4,6-DINITRO-2-METHYLPHENOL	UG/L	97711*ADMS		MB*D1735*1		0.0	
DIMETHYLPTHALATE	UG/L	34341*ADMS		MB*D1735*1		0.0	
2,4-DINITROPHENOL	UG/L	34616*ADMS		MB*D1735*1		0.0	
2,4-DINITROTOLUENE	UG/L	34611*ADMS		MB*D1735*1		0.0	
2,6-DINITROTOLUENE	UG/L	34626*ADMS		MB*D1735*1		0.0	
DIPHENYLAMINE	UG/L	77579*ADMS		MB*D1735*1		0.0	
1,2-DIPHEN'HYDRAZINE	UG/L	34346*ADMS		MB*D1735*1		0.0	
DI-N-OCTYLPHTHALATE	UG/L	34596*ADMS		MB*D1735*1		0.0	
ETHYL METHANESULFONATE	UG/L	97699*ADMS		MB*D1735*1		0.0	
FLUORANTHENE	UG/L	34376*ADMS		MB*D1735*1		0.0	
FLUORENE	UG/L	34381*ADMS		MB*D1735*1		0.0	
HEXACHLOROBENZENE	UG/L	39700*ADMS		MB*D1735*1		0.0	
HEXACHLOROBUTADIENE	UG/L	34391*ADMS		MB*D1735*1		0.0	
HEXACHLOROCYCLOPENTADIENE	UG/L	34386*ADMS		MB*D1735*1		0.0	
HEXACHLOROETHANE	UG/L	34396*ADMS		MB*D1735*1		0.0	
INDENO(1,2,3-CD)PYRENE	UG/L	34403*ADMS		MB*D1735*1		0.0	
ISOPHORONE	UG/L	34408*ADMS		MB*D1735*1		0.0	
2-METHYL PHENOL	UG/L	99073*ADMS		MB*D1735*1		0.0	
4-METHYL PHENOL	UG/L	99074*ADMS		MB*D1735*1		0.0	
3-METHYLCHOLANTHRENE	UG/L	97700*ADMS		MB*D1735*1		0.0	
METHYL METHANESULFONATE	UG/L	97701*ADMS		MB*D1735*1		0.0	
2-METHLYNAPHTHALENE	UG/L	77416*ADMS		MB*D1735*1		0.0	
NAPHTHALENE	UG/L	34696*ADMS		MB*D1735*1		0.0	
1-NAPHTHYLAMINE	UG/L	97702*ADMS		MB*D1735*1		0.0	
2-NAPHTHYLAMINE	UG/L	97703*ADMS		MB*D1735*1		0.0	
2-NITROANILINE	UG/L	99077*ADMS		MB*D1735*1		0.0	
3-NITROANILINE	UG/L	99078*ADMS		MB*D1735*1		0.0	
4-NITROANILINE	UG/L	99079*ADMS		MB*D1735*1		0.0	
NITROBENZENE	UG/L	34447*ADMS		MB*D1735*1		0.0	
N-NITROSOPIPERIDINE	UG/L	97704*ADMS		MB*D1735*1		0.0	
2-NITROPHENOL	UG/L	34591*ADMS		MB*D1735*1		0.0	
4-NITROPHENOL	UG/L	34646*ADMS		MB*D1735*1		0.0	
N-NITROSO-DI-N-BUTYLAMINE	UG/L	97715*ADMS		MB*D1735*1		0.0	

Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES

Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
N-NITROSODIMET'AMINE	UG/L	34438*ADMS	D1735	MB*D1735*1	03/22/90	0.0	
N-NITROSODI-N-PROPYLAMINE	UG/L	34428*ADMS		MB*D1735*1		0.0	
N-NITROSODIPHE'AMINE	UG/L	34433*ADMS		MB*D1735*1		0.0	
PENTACHLOROPHENOL	UG/L	39032*ADMS		MB*D1735*1		0.0	
PENTACHLOROBENZENE	UG/L	97705*ADMS		MB*D1735*1		0.0	
PENTACHLORONITROBENZENE	UG/L	97706*ADMS		MB*D1735*1		0.0	
PHENACETIN	UG/L	97707*ADMS		MB*D1735*1		0.0	
PHENANTHRENE	UG/L	34461*ADMS		MB*D1735*1		0.0	
PHENOL	UG/L	34694*ADMS		MB*D1735*1		0.0	
2-PICOLINE	UG/L	97708*ADMS		MB*D1735*1		0.0	
PRONAMIDE	UG/L	97709*ADMS		MB*D1735*1		0.0	
PYRENE	UG/L	34469*ADMS		MB*D1735*1		0.0	
1,2,4,5-TETRACHLOROBENZENE	UG/L	97710*ADMS		MB*D1735*1		0.0	
1,2,4-TRICH'BENZENE	UG/L	34551*ADMS		MB*D1735*1		0.0	
2,3,4,6 TETRACL'PHENOL	UG/L	97209*ADMS		MB*D1735*1		0.0	
2,4,5-TRICHL'PHENOL	UG/L	77687*ADMS		MB*D1735*1		0.0	
2,4,6-TRICHL'PHENOL	UG/L	34621*ADMS		MB*D1735*1		0.0	

04/25/90 Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES
Standard Matrix Spike Recovery and Replicate Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	MB	TARGET	FOUND	%RECV	RECV CRIT	R.P.D.	R.P.D. CRIT.	FOOTNOTE
BENZENE	UG/L	34030*PI	D1740	SP1*D1740*1	02/14/90	0.03	4.08	3.87	94.9	39-150		30	
TOLUENE	UG/L	34010*PI		SP1*D1740*1		0.06	4.01	3.57	89.0	46-148		30	
CHLOROBENZENE	UG/L	34301*PI		SP1*D1740*1		0.064	0.0	T*1		85-115		15	
1,1-DICHLOROETHYLENE	UG/L	34501*HA		SP1*D1740*1		0.162	5.10	4.80	94.1	28-167		30	
TRICHLOROETHENE	UG/L	39180*HA		SP1*D1740*1		0.128	5.57	4.61	82.8	35-146		30	
HYDROCARBONS,PETROL.,TOT	UG/L	99388*DIR	D1738	SP1*MBLK*1738	03/16/90	156	4220	3560	84.4	64-92		14	
HYDROCARBONS,PETROL.,TOT	UG/L			SP2*MBLK*1738		156	4220	2850	67.5	64-92	22.3	14	
ACENAPHTHENE	UG/L	34205*ADMS	D1735	SP1*D1735*1	03/22/90	0.0	50	49	98	46-118		31	
2-CHLOROPHENOL	UG/L	34586*ADMS		SP1*D1735*1		0.0	100	92	92	27-123		40	
4-CHLORO-3-METHYLPHENOL	UG/L	34452*ADMS		SP1*D1735*1		0.0	100	92	92	23-97		42	
1,4-DICHLOROBENZENE	UG/L	34571*ADMS		SP1*D1735*1		0.0	50	35	70	36-97		28	
2,4-DINITROTOLUENE	UG/L	34611*ADMS		SP1*D1735*1		0.0	50	40	80	24-96		38	
4-NITROPHENOL	UG/L	34646*ADMS		SP1*D1735*1		0.0	100	49	49	10-80		50	
N-NITROSODI-N-PROPYLAMINE	UG/L	34428*ADMS		SP1*D1735*1		0.0	50	43	86	41-116		38	
PENTACHLOROPHENOL	UG/L	39032*ADMS		SP1*D1735*1		0.0	100	99	99	9-103		50	
PHENOL	UG/L	34694*ADMS		SP1*D1735*1		0.0	100	53	53	11.5-88.5		42	
PYRENE	UG/L	34469*ADMS		SP1*D1735*1		0.0	50	49	98	26-127		31	
1,2,4-TRICH'BENZENE	UG/L	34551*ADMS		SP1*D1735*1		0.0	50	38	76	39-98		28	

HUNTER/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 WATER SAMPLES

Sample Matrix Spike Recovery Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	MB	TARGET	FOUND	%RECV	RECV CRIT	UNSPIKED	R.P.D.	R.P.D. CRIT.	FOOTNOTE
BENZENE	UG/L	34030*PI	D1740	SPM1*BCSW3*3	02/14/90	0.03	1.82	1.66	91.3	39-150	0.0		30	
BENZENE	UG/L			SPM2*BCSW3*3		0.03	1.82	1.73	95.2	39-150	0.0	4.29	30	
TOLUENE	UG/L	34010*PI		SPM1*BCSW3*3		0.06	1.82	1.67	91.9	46-148	0.0		30	
TOLUENE	UG/L			SPM2*BCSW3*3		0.06	1.82	1.73	95.3	46-148	0.0	3.74	30	
CHLOROBENZENE	UG/L	34301*PI		SPM1*BCSW3*3		0.064	1.82	1.60	88.2	85-115	0.0		15	
CHLOROBENZENE	UG/L			SPM2*BCSW3*3		0.064	1.82	1.71	93.9	85-115	0.0	6.60	15	
1,1-DICHLOROETHYLENE	UG/L	34501*HA		SPM1*BCSW3*3		0.162	1.82	1.48	81.4	28-167	0.0		30	
1,1-DICHLOROETHYLENE	UG/L			SPM2*BCSW3*3		0.162	1.82	1.59	87.5	28-167	0.0	7.35	30	
TRICHLOROETHENE	UG/L	39180*HA		SPM1*BCSW3*3		0.128	1.82	1.61	88.7	35-146	0.0		30	
TRICHLOROETHENE	UG/L			SPM2*BCSW3*3		0.128	1.82	1.72	94.5	35-146	0.0	6.56	30	
HYDROCARBONS,PETROL.,TOT	UG/L	99388*DIR	D1738	SPM1*BCSW3*3	03/16/90	156	4220	2730	64.6	64-92	140		14	
HYDROCARBONS,PETROL.,TOT	UG/L			SPM2*BCSW3*3		156	4220	3090	73.2	64-92	140	12.3	14	
ACENAPHTHENE	UG/L	34205*ADMS	D1735	SPM1*BCSW3*7	03/22/90	0.0	50	47	93	46-118	0.0		31	
ACENAPHTHENE	UG/L			SPM2*BCSW3*7		0.0	50	46	92	46-118	0.0	2.2	31	
2-CHLOROPHENOL	UG/L	34586*ADMS		SPM1*BCSW3*7		0.0	100	99	99	27-123	0.0		40	
2-CHLOROPHENOL	UG/L			SPM2*BCSW3*7		0.0	100	97	97	27-123	0.0	2.0	40	
4-CHLORO-3-METHYLPHENOL	UG/L	34452*ADMS		SPM1*BCSW3*7		0.0	100	96	96	23-97	0.0		42	
4-CHLORO-3-METHYLPHENOL	UG/L			SPM2*BCSW3*7		0.0	100	94	94	23-97	0.0	2.1	42	
1,4-DICHLOROBENZENE	UG/L	34571*ADMS		SPM1*BCSW3*7		0.0	50	37	73	36-97	0.0		28	
1,4-DICHLOROBENZENE	UG/L			SPM2*BCSW3*7		0.0	50	38	75	36-97	0.0	1.3	28	
2,4-DINITROTOLUENE	UG/L	34611*ADMS		SPM1*BCSW3*7		0.0	50	37	74	24-96	0.0		38	
2,4-DINITROTOLUENE	UG/L			SPM2*BCSW3*7		0.0	50	37	73	24-96	0.0	1.4	38	
4-NITROPHENOL	UG/L	34646*ADMS		SPM1*BCSW3*7		0.0	100	77	77	10-80	0.0		50	
4-NITROPHENOL	UG/L			SPM2*BCSW3*7		0.0	100	77	77	10-80	0.0	0.0	50	
N-NITROSODI-N-PROPYLAMINE	UG/L	34428*ADMS		SPM1*BCSW3*7		0.0	50	47	95	41-116	0.0		38	
N-NITROSODI-N-PROPYLAMINE	UG/L			SPM2*BCSW3*7		0.0	50	45	91	41-116	0.0	3.2	38	
PENTACHLOROPHENOL	UG/L	39032*ADMS		SPM1*BCSW3*7		0.0	100	47	47	9-103	0.0		50	
PENTACHLOROPHENOL	UG/L			SPM2*BCSW3*7		0.0	100	46	46	9-103	0.0	2.2	50	
PHENOL	UG/L	34694*ADMS		SPM1*BCSW3*7		0.0	100	81	81	11.5-88.5	0.0		42	
PHENOL	UG/L			SPM2*BCSW3*7		0.0	100	76	76	11.5-88.5	0.0	6.4	42	
PYRENE	UG/L	34469*ADMS		SPM1*BCSW3*7		0.0	50	47	95	26-127	0.0		31	
PYRENE	UG/L			SPM2*BCSW3*7		0.0	50	43	85	26-127	0.0	10	31	
1,2,4-TRICH'BENZENE	UG/L	34551*ADMS		SPM1*BCSW3*7		0.0	50	41	82	39-98	0.0		28	
1,2,4-TRICH'BENZENE	UG/L			SPM2*BCSW3*7		0.0	50	39	78	39-98	0.0	5.0	28	

04/25/90

Hunter/ESE, INC.
QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES
Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
BENZENE	MG/KG-DRY	34237*ADPI	D1749	MB*D1749*1	03/15/90	0.0	
TOLUENE	MG/KG-DRY	34483*ADPI		MB*D1749*1		0.0	
CHLOROBENZENE	MG/KG-DRY	34304*ADPI		MB*D1749*1		0.0	
ETHYLBENZENE	MG/KG-DRY	34374*ADPI		MB*D1749*1		0.0	
BROMOBENZENE	MG/KG-DRY	97036*ADPI		MB*D1749*1		0.0	
XYLENES,TOTAL	MG/KG-DRY	45510*ADPI		MB*D1749*1		0.0	
DICHLOROBENZENE,TOT.	MG/KG-DRY	98578*ADPI		MB*D1749*1		0.0	
METHYLCHLORIDE	MG/KG-DRY	34421*ADHA		MB*D1749*1		0.0	
METHYL BROMIDE	MG/KG-DRY	34416*ADHA		MB*D1749*1		0.0	
DICHLORODIFLUOROMETHANE	MG/KG-DRY	34334*ADHA		MB*D1749*1		0.0	
VINYL CHLORIDE	MG/KG-DRY	34495*ADHA		MB*D1749*1		0.0	
CHLOROETHANE	MG/KG-DRY	34314*ADHA		MB*D1749*1		0.0	
METHYLENE CHLORIDE	MG/KG-DRY	34426*ADHA		MB*D1749*1		0.0	
TRICHLOROFLUOROMETHANE	MG/KG-DRY	34491*ADHA		MB*D1749*1		0.0	
1,1-DICHLOROETHENE	MG/KG-DRY	34504*ADHA		MB*D1749*1		0.0	
1,1 DICHLOROETHANE	MG/KG-DRY	34499*ADHA		MB*D1749*1		0.0	
TRANS-1,2-DICHLOROETHENE	MG/KG-DRY	34549*ADHA		MB*D1749*1		0.0	
CHLOROFORM	MG/KG-DRY	34318*ADHA		MB*D1749*1		0.0	
1,2-DICHLOROETHANE	MG/KG-DRY	34534*ADHA		MB*D1749*1		0.0	
DIBROMOETHANE	MG/KG-DRY	78756*ADHA		MB*D1749*1		0.0	
1,1,1-TRICHLOROETHANE	MG/KG-DRY	34509*ADHA		MB*D1749*1		0.0	
CARBON TETRACHLORIDE	MG/KG-DRY	34299*ADHA		MB*D1749*1		0.0	
BROMODICHLOROMETHANE	MG/KG-DRY	34330*ADHA		MB*D1749*1		0.0	
1,2,-DICHLOROPROPANE	MG/KG-DRY	34544*ADHA		MB*D1749*1		0.0	
T-1,3-DICHLOROPROPENE	MG/KG-DRY	34697*ADHA		MB*D1749*1		0.0	
TRICHLOROETHYLENE	MG/KG-DRY	34487*ADHA		MB*D1749*1		0.0	
DIBROMOCHLOROMETHANE	MG/KG-DRY	34309*ADHA		MB*D1749*1		0.0	
CIS-1,3-DICHLOROPROPENE	MG/KG-DRY	34702*ADHA		MB*D1749*1		0.0	
1,1,2- TRICHLOROETHANE	MG/KG-DRY	34514*ADHA		MB*D1749*1		0.0	
2-CHLOROETHYLVINYL ETHER	MG/KG-DRY	34579*ADHA		MB*D1749*1		0.0	
BROMOFORM	MG/KG-DRY	34290*ADHA		MB*D1749*1		0.0	
1,1,1,2-TETRACHLOROETHANE	MG/KG-DRY	97042*ADHA		MB*D1749*1		0.0	
TRICHLOROPROPANE	MG/KG-DRY	97043*ADHA		MB*D1749*1		0.0	
1,1,2,2-TETRACHLOROETHANE	MG/KG-DRY	34519*ADHA		MB*D1749*1		0.0	
TETRACHLOROETHYLENE	MG/KG-DRY	34478*ADHA		MB*D1749*1		0.0	
1-CHLOROHEXANE	MG/KG-DRY	97039*ADHA		MB*D1749*1		0.0	
HYDROCARBONS,PETROL	MG/KG-DRY	98233*AD	D1737	MB*MBLK*1737	03/16/90	0.0	
ACENAPHTHENE,SOIL	MG/KG-DRY	99450*ADMS	D1759	MB*D1759*1	03/24/90	0.0	
ACENAPHTHYLENE,SOIL	MG/KG-DRY	99451*ADMS		MB*D1759*1		0.0	
ACETOPHENONE	MG/KG-DRY	97643*ADMS		MB*D1759*1		0.0	
ANILINE	MG/KG-DRY	97644*ADMS		MB*D1759*1		0.0	
ANTHRACENE,SOIL	MG/KG-DRY	99452*ADMS		MB*D1759*1		0.0	
4-AMINOBIPHENYL	MG/KG-DRY	97645*ADMS		MB*D1759*1		0.0	
BENZIDINE	MG/KG-DRY	97646*ADMS		MB*D1759*1		0.0	
BENZO(A)ANTHRACENE	MG/KG-DRY	99453*ADMS		MB*D1759*1		0.0	
BENZO(B)FLUORANTHENE,S	MG/KG-DRY	99454*ADMS		MB*D1759*1		0.0	
BENZO(K)FLUORANTHENE	MG/KG-DRY	99455*ADMS		MB*D1759*1		0.0	
BENZO(A)PYRENE	MG/KG-DRY	99456*ADMS		MB*D1759*1		0.0	
BENZO(G,H,I,)PERYLENE	MG/KG-DRY	99691*ADMS		MB*D1759*1		0.0	
BENZYL ALCOHOL	MG/KG-DRY	97647*ADMS		MB*D1759*1		0.0	
BENZOIC ACID	MG/KG-DRY	97676*ADMS		MB*D1759*1		0.0	
BUTYL BENZYL PHTHALATE	MG/KG-DRY	99463*ADMS		MB*D1759*1		0.0	
BIS(2-CHLOROETHYL)ETHER	MG/KG-DRY	99458*ADMS		MB*D1759*1		0.0	
BIS(2-CHLOROETHOXY)METHANE	MG/KG-DRY	97493*ADMS		MB*D1759*1		0.0	
BIS(2-ETHYLHEXYL)PHTHALATE	MG/KG-DRY	99460*ADMS		MB*D1759*1		660	
BIS(2-CHL'ISOPROPYL) ETHER	MG/KG-DRY	97547*ADMS		MB*D1759*1		0.0	

Hunter/ESE, INC.
QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES
Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
4-BROMOPHENYL PHENYL ETHER	MG/KG-DRY	99462*ADMS	D1759	MB*D1759*1	03/24/90	0.0	
4-CHLOROANILINE,SED	MG/KG-DRY	97648*ADMS		MB*D1759*1		0.0	
1-CHLORONAPHTHALENE	MG/KG-DRY	97649*ADMS		MB*D1759*1		0.0	
2-CHLORONAPHTHALENE	MG/KG-DRY	99464*ADMS		MB*D1759*1		0.0	
2-CHLOROPHENOL	MG/KG-DRY	99497*ADMS		MB*D1759*1		0.0	
4-CHLORO-3-METHYLPHENOL	MG/KG-DRY	99683*ADMS		MB*D1759*1		0.0	
4-CHLOROPHENYLPHENYL ETHER	MG/KG-DRY	99465*ADMS		MB*D1759*1		0.0	
CHRYSENE	MG/KG-DRY	99690*ADMS		MB*D1759*1		0.0	
DIBENZ(A,J)ACRIDINE	MG/KG-DRY	97650*ADMS		MB*D1759*1		0.0	
DIBENZO(A,H)ANTHRACENE	MG/KG-DRY	99466*ADMS		MB*D1759*1		0.0	
DIBENZOFURAN	MG/KG-DRY	97651*ADMS		MB*D1759*1		0.0	
DI-N-BUTYLPHTHALATE	MG/KG-DRY	99467*ADMS		MB*D1759*1		110	
1,3-DICHLOROBENZENE	MG/KG-DRY	99468*ADMS		MB*D1759*1		0.0	
1,2-DICHLOROBENZENE	MG/KG-DRY	99470*ADMS		MB*D1759*1		0.0	
1,4-DICHLOROBENZENE	MG/KG-DRY	99469*ADMS		MB*D1759*1		0.0	
3,3-DICHLOROBENZIDINE	MG/KG-DRY	99471*ADMS		MB*D1759*1		0.0	
2,4-DICHLOROPHENOL	MG/KG-DRY	99498*ADMS		MB*D1759*1		0.0	
DIETHYLPHTHALATE	MG/KG-DRY	99472*ADMS		MB*D1759*1		0.0	
P-DIMETHYLAMINOBENZENE	MG/KG-DRY	97652*ADMS		MB*D1759*1		0.0	
7,12-DIMETHYLBENZ(A)ANTHRANCE	MG/KG-DRY	97653*ADMS		MB*D1759*1		0.0	
A-,A-DIMETHYLPHENETHYLAMINE	MG/KG-DRY	97654*ADMS		MB*D1759*1		0.0	
2,6-DICHLOROPHENOL	MG/KG-DRY	97677*ADMS		MB*D1759*1		0.0	
2,4-DIMETHYPHENOL	MG/KG-DRY	99499*ADMS		MB*D1759*1		0.0	
DIMETHYLPHTHALATE	MG/KG-DRY	99473*ADMS		MB*D1759*1		0.0	
4,6-DINITRO-2-METHYLPHENOL	MG/KG-DRY	97678*ADMS		MB*D1759*1		0.0	
2,4-DINITROPHENOL	MG/KG-DRY	99695*ADMS		MB*D1759*1		0.0	
2,4-DINITROTOLUENE	MG/KG-DRY	99474*ADMS		MB*D1759*1		0.0	
2,6-DINITROTOLUENE	MG/KG-DRY	99475*ADMS		MB*D1759*1		0.0	
DIPHENYLAMINE	MG/KG-DRY	97655*ADMS		MB*D1759*1		0.0	
1,2-DIPHENYLHYDRAZIN,S	MG/KG-DRY	99477*ADMS		MB*D1759*1		0.0	
ETHYL METHANESULFONATE	MG/KG-DRY	97656*ADMS		MB*D1759*1		0.0	
DI-N-OCTYLPHTHALATE	MG/KG-DRY	99476*ADMS		MB*D1759*1		0.0	
FLUORANTHENE	MG/KG-DRY	99689*ADMS		MB*D1759*1		0.0	
FLUORENE	MG/KG-DRY	99692*ADMS		MB*D1759*1		0.0	
HEXACHLOROBENZENE	MG/KG-DRY	99478*ADMS		MB*D1759*1		0.0	
HEXACHLOROBUTADIENE	MG/KG-DRY	99479*ADMS		MB*D1759*1		0.0	
HEXACHLOROCYCLOPENTADIENE	MG/KG-DRY	97657*ADMS		MB*D1759*1		0.0	
HEXACHLOROETHANE	MG/KG-DRY	99480*ADMS		MB*D1759*1		0.0	
INDENO(1,2,3-CD)PYRENE	MG/KG-DRY	99482*ADMS		MB*D1759*1		0.0	
ISOPHORONE	MG/KG-DRY	99483*ADMS		MB*D1759*1		0.0	
3-METHYLCHOLANTHRENE	MG/KG-DRY	97658*ADMS		MB*D1759*1		0.0	
METHYL METHANESULFONATE	MG/KG-DRY	97659*ADMS		MB*D1759*1		0.0	
2-METHYLNAPHTHALENE	MG/KG-DRY	97660*ADMS		MB*D1759*1		0.0	
NAPHTHALENE	MG/KG-DRY	99696*ADMS		MB*D1759*1		0.0	
1-NAPHTHYLAMINE	MG/KG-DRY	97661*ADMS		MB*D1759*1		0.0	
2-NAPHTHYLAMINE	MG/KG-DRY	97717*ADMS		MB*D1759*1		0.0	
2-NITROANILINE	MG/KG-DRY	97662*ADMS		MB*D1759*1		0.0	
3-NITROANILINE	MG/KG-DRY	97663*ADMS		MB*D1759*1		0.0	
4-NITROANILINE	MG/KG-DRY	97664*ADMS		MB*D1759*1		0.0	
NITROBENZENE	MG/KG-DRY	99485*ADMS		MB*D1759*1		0.0	
N-NITRSO-DI-N-BUTYLAMINE	MG/KG-DRY	97665*ADMS		MB*D1759*1		0.0	
N-NITROSODIMETHYLAMINE	MG/KG-DRY	97666*ADMS		MB*D1759*1		0.0	
N-NITROSODIPHE'AMINE	MG/KG-DRY	97667*ADMS		MB*D1759*1		0.0	
N-NITROSOPIPERIDINE	MG/KG-DRY	97669*ADMS		MB*D1759*1		0.0	
PENTACHLOROBENZENE	MG/KG-DRY	97670*ADMS		MB*D1759*1		0.0	
PENTACHLORONITROBENZENE	MG/KG-DRY	97671*ADMS		MB*D1759*1		0.0	

Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES

Method Blank Sample Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	FOUND	FOOTNOTE
PHENACETIN	MG/KG-DRY	97672*ADMS	D1759	MB*D1759*1	03/24/90	0.0	
2-METHYLPHENOL	MG/KG-DRY	97679*ADMS		MB*D1759*1		0.0	
4-METHYLPHENOL	MG/KG-DRY	97680*ADMS		MB*D1759*1		0.0	
2-NITROPHENOL	MG/KG-DRY	99495*ADMS		MB*D1759*1		0.0	
4-NITROPHENOL	MG/KG-DRY	99496*ADMS		MB*D1759*1		0.0	
N-NITROSODI-N-PROPYLAMINE	MG/KG-DRY	99487*ADMS		MB*D1759*1		0.0	
PENTACHLOROPHENOL	MG/KG-DRY	99682*ADMS		MB*D1759*1		0.0	
PHENANTHRENE	MG/KG-DRY	99489*ADMS		MB*D1759*1		0.0	
2-PICOLINE	MG/KG-DRY	97673*ADMS		MB*D1759*1		0.0	
PRONAMIDE	MG/KG-DRY	97674*ADMS		MB*D1759*1		0.0	
PHENOL	MG/KG-DRY	99685*ADMS		MB*D1759*1		0.0	
PYRENE	MG/KG-DRY	99490*ADMS		MB*D1759*1		0.0	
1,2,4,5-TETRACHLOROBENZENE	MG/KG-DRY	97675*ADMS		MB*D1759*1		0.0	
1,2,4-TRICHLRBENZENE	MG/KG-DRY	99492*ADMS		MB*D1759*1		0.0	
2,3,4,6-TETRACHLOROPHENOL	MG/KG-DRY	97681*ADMS		MB*D1759*1		0.0	
2,4,5-TRICH'PHENOL	MG/KG-DRY	98587*ADMS		MB*D1759*1		0.0	
2,4,6-TRICHLRPHENOL	MG/KG-DRY	99684*ADMS		MB*D1759*1		0.0	
BENZENE	UG/L	34030*PI	D1740	MB*D1740*1	02/14/90	0.0	
TOLUENE	UG/L	34010*PI		MB*D1740*1		0.0	
CHLOROBENZENE	UG/L	34301*PI		MB*D1740*1		0.0	
ETHYLBENZENE	UG/L	34371*PI		MB*D1740*1		0.0	
BROMOBENZENE	UG/L	99634*PI		MB*D1740*1		0.0	
XYLENES,TOTAL	UG/L	81551*PI		MB*D1740*1		0.0	
DICHLOROBENZENE,TOT.	UG/L	81524*PI		MB*D1740*1		0.0	
CHLOROMETHANE	UG/L	34418*HA		MB*D1740*1		0.0	
BROMOMETHANE	UG/L	34413*HA		MB*D1740*1		0.0	
VINYL CHLORIDE	UG/L	39175*HA		MB*D1740*1		0.0	
CHLOROETHANE	UG/L	34311*HA		MB*D1740*1		0.0	
DICHLORODIFLUOROMETHANE	UG/L	34668*HA		MB*D1740*1		0.0	
METHYLENE CHLORIDE	UG/L	34423*HA		MB*D1740*1		0.415	
TRICHL'FLUOROMETHANE	UG/L	34488*HA		MB*D1740*1		0.0	
1,1-DICHLOROETHYLENE	UG/L	34501*HA		MB*D1740*1		0.0	
1,1-DICHLOROETHANE	UG/L	34496*HA		MB*D1740*1		0.0	
TRANS-1,2-DICHLOROETHENE	UG/L	34546*HA		MB*D1740*1		0.0	
CHLOROFORM	UG/L	32106*HA		MB*D1740*1		0.0	
1,2-DICHLOROETHANE	UG/L	34531*HA		MB*D1740*1		0.0	
DIBROMOMETHANE	UG/L	81522*HA		MB*D1740*1		0.0	
1,1,1-TRICHL'ETHANE	UG/L	34506*HA		MB*D1740*1		0.0	
CARBON TETRACHLORIDE	UG/L	32102*HA		MB*D1740*1		0.0	
BROMODICHLOROMETHANE	UG/L	32101*HA		MB*D1740*1		0.0	
1,2-DICHLOROPROPANE	UG/L	34541*HA		MB*D1740*1		0.0	
TRANS-1,3-DICHLOROPROPENE	UG/L	34699*HA		MB*D1740*1		0.0	
1,1,2-TRICHL'ETHANE	UG/L	34511*HA		MB*D1740*1		0.0	
TRICHLOROETHENE	UG/L	39180*HA		MB*D1740*1		0.0	
DIBROMOCHLOROMETHANE	UG/L	32105*HA		MB*D1740*1		0.0	
CIS-1,3-DICHLOROPROPENE	UG/L	34704*HA		MB*D1740*1		0.0	
2-CHLOROETHYLVINYLETHER	UG/L	34576*HA		MB*D1740*1		0.0	
BROMOFORM	UG/L	32104*HA		MB*D1740*1		0.0	
1,1,1,2-TETRACH'ETHANE	UG/L	77562*HA		MB*D1740*1		0.0	
TRICHLOROPROPANE	UG/L	97758*HA		MB*D1740*1		0.0	
TETRACHLOROETHENE	UG/L	34475*HA		MB*D1740*1		0.0	
1,1,2,2-TETRACHLORO ETHANE	UG/L	34516*HA		MB*D1740*1		0.0	
1-CHLOROHEXANE	UG/L	97761*HA		MB*D1740*1		0.0	

04/25/90

Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES

Standard Matrix Spike Recovery and Replicate Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	MB	TARGET	FOUND	%RECV	RECV CRIT	R.P.D.	R.P.D. CRIT.	FOOTNOTE
HYDROCARBONS,PETROL	MG/KG-DRY	98233*AD	D1737	SP1*MBLK*1737	03/16/90	7.66	422	401	95.0	70.2-124.8		20	
HYDROCARBONS,PETROL	MG/KG-DRY			SP2*MBLK*1737		7.66	422	416	98.6	70.2-124.83.72		20	
ACENAPHTHENE,SOIL	MG/KG-DRY	99450*ADMS	D1759	SP1*D1759*1	03/24/90	0.0	6700	6700	100	31-137		19	
2-CHLOROPHENOL	MG/KG-DRY	99497*ADMS		SP1*D1759*1		0.0	13000	13000	100	25-102		50	
4-CHLORO-3-METHYLPHENOL	MG/KG-DRY	99683*ADMS		SP1*D1759*1		0.0	13000	13000	100	26-103		33	
1,4-DICHLOROBENZENE	MG/KG-DRY	99469*ADMS		SP1*D1759*1		0.0	6700	5400	81	28-104		27	
2,4-DINITROTOLUENE	MG/KG-DRY	99474*ADMS		SP1*D1759*1		0.0	6700	5500	82	28-89		47	
4-NITROPHENOL	MG/KG-DRY	99496*ADMS		SP1*D1759*1		0.0	13000	15000	120	11-114		50	
N-NITROSODI-N-PROPYLAMINE	MG/KG-DRY	99487*ADMS		SP1*D1759*1		0.0	6700	6000	90	41-126		38	
PENTACHLOROPHENOL	MG/KG-DRY	99682*ADMS		SP1*D1759*1		0.0	13000	14000	110	17-109		47	1
PHENOL	MG/KG-DRY	99685*ADMS		SP1*D1759*1		0.0	13000	11000	85	26-190		35	
PYRENE	MG/KG-DRY	99490*ADMS		SP1*D1759*1		0.0	6700	6400	96	35-142		36	
1,2,4-TRICHLRBENZENE	MG/KG-DRY	99492*ADMS		SP1*D1759*1		0.0	6700	6000	90	38-107		23	

Hunter/ESE, INC.

QUALITY CONTROL SUMMARY FOR PLANT 78 SOIL SAMPLES
Sample Matrix Spike Recovery Summary

NAME	UNITS	STOR*METH	BATCH	SAMPLE	DATE	MB	TARGET	FOUND	%RECV	RECV CRIT	UNSPIKED	R.P.D.	R.P.D. CRIT.	FOOTNOTE
BENZENE	MG/KG-DRY	34237*ADPI	D1749	SPM1*BCSS3*3	03/15/90	6.40	1074	1290	120	66-142	0.0		21	
BENZENE	MG/KG-DRY			SPM2*BCSS3*3		6.40	1074	1050	97	66-142	0.0	20.5	21	
TOLUENE	MG/KG-DRY	34483*ADPI		SPM1*BCSS3*3		7.65	1074	1310	121	59-139	0.0		21	
TOLUENE	MG/KG-DRY			SPM2*BCSS3*3		7.65	1074	1050	97	59-139	0.0	21.6	21	
CHLOROBENZENE	MG/KG-DRY	34304*ADPI		SPM1*BCSS3*3		6.32	1074	1320	122	60-133	0.0		21	
CHLOROBENZENE	MG/KG-DRY			SPM2*BCSS3*3		6.32	1074	1060	98	60-133	0.0	22.2	21	
1,1-DICHLOROETHENE	MG/KG-DRY	34504*ADHA		SPM1*BCSS3*3		6.82	1074	1180	109	50-172	0.0		22	
1,1-DICHLOROETHENE	MG/KG-DRY			SPM2*BCSS3*3		6.82	1074	969	90	50-172	0.0	20.1	22	
TRICHLOROETHYLENE	MG/KG-DRY	34487*ADHA		SPM1*BCSS3*3		16.6	1074	1270	117	62-137	0.0		24	
TRICHLOROETHYLENE	MG/KG-DRY			SPM2*BCSS3*3		16.6	1074	993	91	62-137	0.0	24.7	24	
HYDROCARBONS,PETROL	MG/KG-DRY	98233*AD	D1737	SPM1*BCSS3*4	03/16/90	7.66	564	613	107	70.2-124.	813.7		20	
HYDROCARBONS,PETROL	MG/KG-DRY			SPM2*BCSS3*4		7.66	564	654	115	70.2-124.	813.7	6.67	20	
ACENAPHTHENE,SOIL	MG/KG-DRY	99450*ADMS	D1759	SPM1*BCSS3*7	03/24/90	0.0	8254	8500	103	31-137	0.0		19	
ACENAPHTHENE,SOIL	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	8800	107	31-137	0.0	0.0	19	
2-CHLOROPHENOL	MG/KG-DRY	99497*ADMS		SPM1*BCSS3*7		0.0	16016	17000	106	25-102	0.0		50	
2-CHLOROPHENOL	MG/KG-DRY			SPM2*BCSS3*7		0.0	16016	18000	112	25-102	0.0	7.4	50	
4-CHLORO-3-METHYLPHENOL	MG/KG-DRY	99683*ADMS		SPM1*BCSS3*7		0.0	16016	21000	131	26-103	0.0		33	
4-CHLORO-3-METHYLPHENOL	MG/KG-DRY			SPM2*BCSS3*7		0.0	16016	20000	125	26-103	0.0	6.5	33	
1,4-DICHLOROBENZENE	MG/KG-DRY	99469*ADMS		SPM1*BCSS3*7		0.0	8254	6300	76	28-104	0.0		27	
1,4-DICHLOROBENZENE	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	8254	81	28-104	0.0	6.2	27	
2,4-DINITROTOLUENE	MG/KG-DRY	99474*ADMS		SPM1*BCSS3*7		0.0	8254	8200	99	28-89	0.0		47	
2,4-DINITROTOLUENE	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	8600	104	28-89	0.0	8.0	47	
4-NITROPHENOL	MG/KG-DRY	99496*ADMS		SPM1*BCSS3*7		0.0	16016	25000	156	11-114	0.0		50	
4-NITROPHENOL	MG/KG-DRY			SPM2*BCSS3*7		0.0	16016	26000	162	11-114	0.0	5.1	50	
N-NITROSODI-N-PROPYLAMINE	MG/KG-DRY	99487*ADMS		SPM1*BCSS3*7		0.0	8254	8000	97	41-126	0.0		38	
N-NITROSODI-N-PROPYLAMINE	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	8400	102	41-126	0.0	8.0	38	
PENTACHLOROPHENOL	MG/KG-DRY	99682*ADMS		SPM1*BCSS3*7		0.0	16016	18000	112	17-109	0.0		47	
PENTACHLOROPHENOL	MG/KG-DRY			SPM2*BCSS3*7		0.0	16016	20000	125	17-109	0.0	6.9	47	
PHENOL	MG/KG-DRY	99685*ADMS		SPM1*BCSS3*7		0.0	16016	16000	100	26-190	0.0		35	
PHENOL	MG/KG-DRY			SPM2*BCSS3*7		0.0	16016	16000	100	26-190	0.0	0.0	35	
PYRENE	MG/KG-DRY	99490*ADMS		SPM1*BCSS3*7		0.0	8254	8300	101	35-142	0.0		36	
PYRENE	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	8100	98	35-142	0.0	0.0	36	
1,2,4-TRICHLRBENZENE	MG/KG-DRY	99492*ADMS		SPM1*BCSS3*7		0.0	8254	7100	86	38-107	0.0		23	
1,2,4-TRICHLRBENZENE	MG/KG-DRY			SPM2*BCSS3*7		0.0	8254	7100	86	38-107	0.0	0.0	23	

Environmental Science and Engineering, INC.

Table of Definitions for QC Report
Columnar Terms

Item	Title	Definition
FOUND	Sample Concentration	SPIKE SAMPLE CONC - UNSPIKED SAMPLE CONC
FOUND # 1	Concentration of UNSPIKED Sample	
FOUND # 2	Concentration of Replicate Sample	
%RECV	Percent Recovery:	100 * (FOUND/ TARGET) displayed in appropriate significant figures
RECV CRIT	Recovery Criteria	Criteria for Percent Recovery set in the parameter record.
UNSPIKED	Unspiked Sample Concentration	Concentration of the DA or UN sample
M*BLK	Concentration of Method Blank	
R.P.D.	Relative Percent Difference (Matrix Spikes)	100 * (ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2)
R.P.D.	Replicate Percent Difference (Control Spikes)	100 * (ABS (%RECV SPn - %RECV SP1)/(%RECV SPn + %RECV SP1)/2)
R.P.D.	Replicate Percent Difference (Replicate Samples)	100 * (ABS (Conc Rep #2 - Conc Rep #1)/(Conc Rep #2 + Conc Rep #1)/2)
MAX % REPL DIFF	Maximum value of Replicate Difference	
C.D.L.	Calibration Curve Detection Limit	
NA	Not Analyzed	
N/A	Not Available	

Table of Definitions for QC Report
Special Terms

Item	Title	Definition
D*1		No analysis date.R*1
U*2		Raw sample or UN sample is null or does not exist.
RPD*1		SPI data is null or does not exist.
U*1		UN or DA parameter status is NR (NOT REQUESTED)
UNSPIKED = 0		If the parameter is reported as a "LESS THAN" the data is converted to 0 for calculation purpos
BLANK LINE		Sample status is either NA or NR. NA=NOT ANALYZED, NR=NOT REQUESTED
NC		No curve found.
NDL		No curve detection limit in the curve record.
MIN.REC	Minimum Recovery Limit	Average Recovery - Recovery Limit
MAX.REC	Maximum Recovery Limit	Average Recovery + Recovery Limit

FOOTNOTES FOR THE EVALUATION OF THE PLANT 78 QUALITY CONTROL SUMMARIES:

1. This a computer rounding artifact. In fact the target is 13333 mg/kg, the found value is 14194 mg/kg, and the recovery is 106%. This is within acceptance criteria.

Hunter Services, Inc.

Table of Definitions for QC Report

Item	Title	Definition
FOUND	Sample Concentration	SPIKE SAMPLE CONC - UNSPIKED SAMPLE CONC.
FOUND #1	Concentration of UNSPIKED Sample	
FOUND #2	Concentration of Replicate Sample	
%RECV	Percent Recovery	100 x (FOUND/TARGET) (see note below)
RECV CRIT	Criteria for Percent Recovery set in the parameter record.	
UNSPIKED	Unspiked Sample Concentration	
M*BLK	Concentration of Method Blank	
R.P.D.	Relative Percent Difference (Matrix Spikes)	100 x (ABS (%RECV SPMn - %RECV SPMn-1)/(%RECV SPMn + %RECV SPMn-1)/2where n> or = 2
R.P.D.	Relative Percent Difference (Control Spikes)	100 x (ABS (%RECV SPn - %RECV SP1)/(%RECV SPn + %RECV SP1)). where n > or = 2
R.P.D.	Relative Percent Difference (Replicate Spikes)	100 x (ABS (%RECV SPn - %RECV SP1)/(%RECV RPn + %RECV RP1)). where n > or = 2
MAX % REPL DIFF	Maximum value of Replicate Difference	Criteria for RPD set in the parameter record.
ABS	Absolute value of calculation	
RPD CRIT	Relative Percent Difference Criteria	
TARGET	Amount of specific analyte added to the standard or sample matrix	
BATCH	File that contains sample and QC data.	
STOR*METH	STORET (Storage/Retrieval) system with Method Code. These codes are for internal ESE use only.	
T*1	Target value is null or 0 in the data batch.	
U*1	The parameter is not requested for that sample, so the concentration in the unspiked sample cannot be calculated.	
U*2	The unspiked sample data is not located in that data batch.	
RPD*1	The SP1 data is not located in that data batch.	
CVAA	Cold Vapor Atomic Absorption	
GFAA	Graphite Furnace Atomic Absorption	
AICP	Air Force project, using Inductively Coupled Argon Plasma	
GMS	Gainesville Lab, using Gas Chromatography/Mass Spec.	
EC	Gas chromatography method with an Electron Capture Detector	
HA	Gas chromatography method with a Hall Detector	
IC	Ion chromatography	
A1 or 1	Air Force project, classical inorganic methods	
SAMPLE	ESE's sample designation	
DATE	Date of analysis	
UNITS	Method of expressing concentration	
MG/L	Milligrams per liter	
UG/L	Micrograms per liter	
NAME	Parameter	
NA	Not Available	
N/A	Not applicable	
MB*NONE*n	Method blank n can represent the number of method blanks in the batch or the date of preparation if more than one day of extractions are contained in the batch.	
RF*REF Id.	Reference material.	
RP*FIELD GROUP*SEQ #	Replicate analysis; identifying the sample replicated	
SPn*NONE*n	Standard matrix spike of QC check sample	
LCS*NONE*n	Standard matrix spike of QC check sample for metals	
SPX*FIELD GROUP*SEQ#	For metals analysis only, this is an analytical or post digestion sample matrix spike.	
SPMn*FIELD GROUP*SEQ#	Sample matrix spike, identifying the sample spiked	
SUR*FIELD GROUP*SEQ#	Surrogate spike, identifying the sample or the laboratory sample spiked.	

For multiple spikes, all are compared to the first spike, when calculating the RPD value.
For values that are less than the detection limit, the detection limit is used for calculation purposes.
Calculations are performed using the number of significant figures specific to that analysis. Example: If target = 40, and found = 41; calculated % recovery = 102.5 reported % recovery = 100.

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Glossary of Terms and Symbols

DEFINITIONS

Trip Blank: A sample bottle is filled with ASTM Type II Reagent Water in the laboratory, transported to the site, handled like a sample, and returned to the laboratory for analysis (trip blanks are not to be opened in the field). The trip blank for soils is Type II Reagent Water just as in the case of water samples.

Ambient Conditions Blank: Type II Reagent Water is poured into a samples container at the site, the is handled like a sample and transported to laboratory for analysis.

Equipment Blank: Type II Reagent Water is poured into the sampling device, or pumped through it (in the case of sampling pumps), transferred to the sample bottle, and then transported to the laboratory for analysis.

Duplicate: Two samples collected independently at a sampling location during a single act of sampling. Field duplicates shall be disguised so that laboratory personnel performing the analyses are not able to determine which samples are duplicates.

Method Blank: Method blanks consist of analyte-free water or soil, processed in the exact manner as the samples within a batch, using identical reagents and solvents.

Sample Matrix Spike: For every 20 samples, a sample is selected that represents the matrix and is spiked in duplicate with analytes specified for each method.

Surrogate Spikes: Surrogate spikes are compounds that are added to every sample analyzed, including the standards, blanks, matrix spikes and QC check samples, to assess the recovery of the method.

Standard Matrix Spikes/QC Check Sample: A QC check sample consists of either an EPA reference, NBS-traceable reference, or an in-laboratory prepared spike into a standard matrix (typically deionized water) using stocks made independently of the calibration standards (i. e. same as a standard matrix spike). The QC check sample or standard matrix spike can serve one or two purposes depending on the method:

1) Verify the standard calibration using and independent standard. This occurs when the method involves direct analysis of the sample.

2) Differentiate between sample matrix interference and analytical procedural error. Sample matrix spikes that fall outside of precision and/or accuracy acceptance criteria indicate either a matrix interference or a problem with the standard analytical procedure. An acceptable QC check sample provides strong evidence that a matrix interference is present.